THE CHEMIST AND DRUGGIST

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EVANS, SONS & CO. LONDON.

EVANS, LESCHER & WEBB LIVERPOOL.

EVANS AND SONS (LIMITED),

CANADA and UNITED STATES.

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For further particulars see pages 9, 10, 11.

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Prize Medals

LONDON, 1851.
PARIS, 1855.
LONDON, 1862.
PARIS, 1867.
LONDON, 1885.
ADELAIDE, 1887.
MELBOURNE, 1888.

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CHURCH ROAD,

BATTERSEA,
LONDON, S.W.

THE CHEMIST & DRUGGIST SUPPLEMENT.

LONDON: 42 CANNON STREET, E.C.
SATURDAY, MAY 20, 1899.

Businesses for Disposal
Businesses Wanted
Premises to Let
Auction Sales

ALSO EXCHANGE COLUMN.

For Bargains see last 2 pages of this Supplement.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

THE CIRCULATION OF THE SUPPLEMENT THIS WEEK EXCEEDS 15,000.

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MESSRS. ORRIDGE & CO., 56 LUDGATE HILL, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

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PURCHASERS are invited to forward a statement of their requirements, which will be notified in a register free of charge.
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1.—£800.—**LONDON (Good-class Suburb).**—Old-established Business well situate in good business thoroughfare: returns average £1,800; *net profit over* £600; attractive shop and good stock; commodious house; lease will be granted; offer wanted.

2.—£[illegible].—**LONDON, S.W. (Residential Locality).**—Capital nucleus; no immediate opposition; suit a small investor; returns £250, increasing; attractive shop and good house; price £150; vendor invites full investigation.

3.—£[illegible].—**MIDDLESEX.**—Light Retail, Dispensing, and Family Business; returns last year £700, increasing; *net profit about* £200; the shop is well fitted and stocked; convenient house; rent £30 yearly; price about £[illegible].

4.—£[illegible]00.—**LONDON, N.W.**—Modern Pharmacy; well-established concern; returns present rate about £1,200 yearly, increasing; handsome shop and large stock; comfortable residence, held on long lease; price about £900, or valuation terms could be arranged.

5.—£[illegible]00.—**LONDON, W.**—Dispensing and Retail Business; well situate in good business thoroughfare: returns £1,300, *with excellent profits*; well-fitted shop; large house, held on lease; price £1,000.

6.—£[illegible].—**LONDON, N.**—Established Business; capital nucleus for up-to-date trading; present returns £300; well-fitted shop and good working stock; price about £270; worth attention of small capitalist.

7.—£[illegible].—**LONDON, N.**—Old-established Business; Dispensing and Retail; returns about £600 yearly; the shop is handsomely fitted and well stocked; good residence; price £475.

8.—**£1,200.—GREAT WESTERN MAIN LINE.**—Well-established Business, situate in main thoroughfare: returns £1,200, easily extended; handsome shop and good warehouse; valuation of stock and fixtures only required.

9.—**£800.—MIDLANDS.**—Dispensing and Retail; capital opportunity for a business man: returns £800; nicely-fitted shop, and good working stock; valuation of stock and fixtures only required, about £350.

10.—**£500.—NORFOLK.**—Dispensing and Retail, with small Wholesale attached: returns £500; well-fitted shop and good stock; convenient residence; price £300.

11.—**£900.—HOME COUNTY.**—Well-established Business, situate in close proximity to busy railway station; returns last year £900; *profits above the average*; modern shop, and good stock; price £750.

12.—**£700.—LONDON SUBURB.**—Modern Pharmacy: situate in busy market thoroughfare; returns £700; *net profit* £240; the shop is well fitted, and has good stock; price about £550.

13.—**£400.—CAMBRIDGE.**—Dispensing and Retail, all good-class business: returns £400, increasing; *profits above the average*; attractive shop, well fitted and stocked; convenient residence; low rental; price £300.

4.—**£500.—WALES.**—Profitable Business: suitable only to a Welshman, *to whom good profit is assured*; the returns (£500) can be largely extended; full particulars on application; about £300 only required.

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Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the special attention of a London Agent.

SPECIAL NOTICE.—**Messrs. ORRIDGE & CO. have a large number of Businesses for Sale suitable for Gentlemen with small capital, from £200 to £500.**

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CHEMIST.—Commanding corner Shop to Let; rent £50, 3 years; good house accommodation over, side entrance; fittings at valuation. Apply for key to Mr. H. J. Burnley, Auctioneer, West Norwood.

SHOP to be Let; new and handsome business premises, specially suitable for Chemist, situate in the main road and in rapidly-rising market town; will be fitted to suit tenant: close to station; low rent, and liberal terms to commence. Apply at Estate Office, Vernon Parade, Church Road, Willesden, or to Mr. Chas. F. Day, 93 Church Street, Stoke Newington, N.

FOR SALE.

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THE superior Fittings in the Shop 441 Union Street, Aberdeen, occupied by the late Mr. G. E. Broomhead, Druggist, are for Sale. Apply to Messrs. Chalmers, Advocates, 18 Golden Square, Aberdeen.

£60 will purchase the entire Fittings and Stock of a Drug business in Lancashire; the Fittings comprising showcases, dispensing-screen, counter, lamp, carboys, bottles, jars, nest of drawers, inlaid glass labels, shelving, &c.; Stock comprising drugs and sundries; a rare chance for a beginner. Apply to 148/4, Office of this Paper.

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£440 returns.—**LANCS.**—Popular seaside resort; with personal attention can be doubled; valuation, about £350.

£1,330 returns.—**WEST.**—Good-class Cash Retail; own Proprietaries and Photographic trade; has not had much personal attention; in hands of energetic man, could be vastly increased; price £550.

£750 returns.—**LANCS.**—General Retail and Photo goods; no patents; illness sole cause of sale; good central position of large town; valuation about £350.

WANTED.

F. J. BRETT has numerous inquiries for Businesses of all sizes and classes, and can speedily sell your Business for you.

BERDOE & CO.

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Established 1870.

VALUATIONS are in all cases conducted by a member of the firm, and the most careful attention to details, which is so essential, may be relied upon.

1.—**MIDLANDS.**—First-class Retail, Dispensing, and Prescribing Business; same hands many years; returns about £900; net profit £300; price £850.

2.—**SUFFOLK (Coast, Rising Resort).**—Good-class Retail and Dispensing Business; same hands 30 years; retiring; handsome shop, well fitted and stocked; good house and garden; low rent; price £500.

3.—**LANCASHIRE.**—Light Retail and Prescribing Business; returns £900, with good profits; low rent; vendor, desiring an early sale, will accept valuation (about £500); a sound and reliable concern.

4.—**MANCHESTER (near).**—Light Retail and Prescribing Business; returns £500 under management; double-fronted shop, well fitted and stocked; price £300, or offer.

5.—**SUFFOLK.**—Good-class Retail, Dispensing, and Prescribing Business; well situated in main road; returns £560, and net profit about £200; good house and premises; price £400.

6.—**WORCESTERSHIRE.**—Light Retail and Prescribing Business; returns under manager £600; rent £40; principal ought to do £800; valuation only required (about £250); a bargain.

7.—**SOUTH-WEST OF ENGLAND.**—Unopposed Retail and Prescribing Business; under manager returns £500; has done double under principal; rent £30; good house; price £275, or offer.

8.—**KENT.**—Unopposed Business; double-fronted corner shop; excellent position; low rent; with good house; returns £300; price £150; has done £800, and can again

9.—**HOME COUNTY.**—14 miles from London; unopposed Business; returns £10 weekly by manager; rent low; is much neglected; an energetic man would do more; price £225.

10.—**LONDON (Northern Heights).**—Light Retail and Dispensing Business; returns £600 by manager; well fitted and stocked; increasing locality; price £450, or offer.

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Transfer Agents, Partnership Negotiators, Arbitrators and Accountants,

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SURREY (busy town).—Family Retail and Dispensing returns £750, open to considerable increase; double-fronted shop, nicely fitted and well stocked; 21 years' lease, at moderate rent; price £600; part remain. [412a.

SOUTH COAST.—Nice little Business for sale through death of proprietor; established 1893, and rapidly improving; returns £367 net 40 per cent.; double-fronted shop, newly fitted; small house and garden, 15 years' lease; price £200 to immediate purchaser. [30.

GLOUCESTER.—Good-class Retail and Dispensing; returns £662 with a profit of £225; unopposed; well fitted and stocked roomed house; price £650. [41.

SEASIDE TOWN.—For immediate sale, first-class Dispensing and Retail Business; returns £1,260; very profitable; handsome corner, with two good windows; price £1,000. [34.

FASHIONABLE SEASIDE TOWN.—Good-class Prescribing and Dispensing Business; returns £540; net profit £200; price £[illegible]; business can easily be doubled.

LONDON, W.—High-class Business for sale; corner s[illegible] somely fitted in modern style; returns £1,150, net profit about £[illegible] mostly let off; price £1,000, or £100 goodwill and valuation. [327.

DURHAM.—Country Retail, with Gilbey's; returns £1,[illegible] £364; good old-fashioned Business; price £800.

DERBYSHIRE.—Good-class Retail, Dispensing, and Prescribing turning £1,854, yielding about £420 net profit; price £950.

SOMERSET.—Good-class Family Retail Business; no bet returns £820, with a net profit of £200; price £300

NORTHERN CITY.—Two good-class Dispensing Business returns £1,000 and £500, yielding 33 per cent. net profit; fine double-fronted in main roads; price £800 and £300 respectively.

GLOUCESTERSHIRE.—Good-class Light Retail and Dispensing Business, returning £300 under management; double-fronted corner position; at low rent; nicely fitted and well stocked; [illegible] only.

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BARNSTAPLE.—For Disposal, by private contract, the old-established and one among the best-known successful Businesses in North Devon; changed hands once only in 63 years; including full stock, valuable proprietaries, agencies, &c. Apply to the retiring proprietor, Samuel G[illegible] Pharmacist.

BIRMINGHAM.—For Sale, a good Mixed Light Retail, in middle-class suburb, on main road; good specialities, few patents, good saleable st[illegible]; returns last year £1,020; rent and taxes under £40: fullest investigati[illegible] offered. Apply, "Forceps," c/o Messrs. Southall Bros. & Barclay, B[illegible]mingham.

CARDIF.—Main thoroughfare; best district in town; corner premises close to principal doctors, with no opposition within con[illegible]ance; owner retiring after over 20 years; exceptional opportunity for [illegible]d pushing young man; £350, including, stock, fixtures, &c.; advertiser [illegible]ning premises, which will be sold, or let at a reasonable rent. W. O. Duch[illegible]e, High Street, Cardiff.

GATESHEAD.—An old-established Retail, Prescribing, and Dispensing Business, with good turnover, very well fitted out, with mahogany [illegible]tures; a large and good saleable stock. For details, send stamp to "[illegible]is" (148/11), Office of this Paper.

GLOUCESTERSHIRE. — Fashionable town and health-resort; nice[illegible]rner premises; position commands business; mahogany-fitted; Lig[illegible] Retail, Dispensing, and Prescribing; owner retaining proprietaries; [illegible]me hands 22 years, last 2 years as branch under manager; price £350, [illegible] lease. "Beldere" (139/23), Office of this Paper.

ISLE OF MAN.—For Disposal, a high class Retail and Dispensing Busi[illegible]: splendid position: most elegant pharmacy; unlimited scope; sev[illegible] well-known Specialities; returns £1,000; owner, having to go abroad, [illegible] accept £750; stock and fixtures worth £1,000; part purchase-mone[illegible]an remain on security at 5 per cent.; no qualification necessary for Ph[illegible]macy or Dentistry. Apply, J. Guy, Queen's Park, Chester.

LANCASHIRE.—Ready-money Light Retail Business for Sale, in a thick[illegible] populated town; special opportunity for small capitalist; will take [illegible]uation or a lump sum. For further particulars, apply, "Bromide" (148/7), Office of this Paper.

LIVERPOOL.—A Light Retail and Dispensing Business; returns for last t[illegible] years have averaged between £500 and £700 yearly under personal su[illegible]vision; good house; price £200, to an immediate purchaser. For partic[illegible]rs, apply, "Chemist," 37 Britannia Avenue, Wavertree, Liverpool.

LONDON W.C.—A small Business, capable of great improvement in en[illegible]etic hands; full prices now obtained: Surgery, Dentistry, Optical Ins[illegible]ments, &c., could advantageously be added; to be Sold, at a low price, [illegible]et on fair terms; no residence. Mr. Dart, 14 Southampton Street, Stra[illegible].

LONDON N.—Small, old-established Business, in main road in North Londo[illegible] Post Office attached, which more than pays rent and rates; convenient [illegible]use, in good condition; lease 10 years; price, about value of stock and f[illegible]ures. Apply, T., 12 Richmond Road, Bayswater, W.

LONDON N.E.—To be Sold, as a going concern, a sound Retail and Presc[illegible]ing Business, in main thoroughfare of densely-populated neighbourh[illegible]d; no opposition: very low rent; returns £485, at good profits; pr[illegible] to immediate purchaser, £250; genuine reasons for selling. Address, "[illegible]gain" (151/23), Office of this Paper.

MANCHESTER.—Good-class Light Retail, Dispensing, and Prescri[illegible]g Business; returns £618; net profit over £200; splendid opening fo[illegible]entistry; shop is well fitted and stocked; low rent; good house; pri[illegible] £350, which is low, to effect a speedy sale, having bought much large[illegible]oncern. J. J. C. (152/3), Office of this Paper.

MIDLANDS.—Light Retail and Prescribing; returns £800; net pro[illegible] £250; valuation of stock and fixtures only required. "Genuine" [illegible]49/22), Office of this Paper.

MIDLANDS.—Light General Retail, Prescribing, and Dispensing; exc[illegible]nt sale own Specialities; thoroughly sound, reliable business; [illegible]rapidly-rising manufacturing town; old established; best position; l[illegible] rent; long lease; present returns over £1,100; gross profits over £400; [illegible]rice £950; reference for full particulars. "Boncarine," c/o Southall's [illegible]mited), Wholesale Chemists, Birmingham.

NORTH WALES.—For Disposal, with immediate possession, a well-esta[illegible]hed Family Chemist and Druggist Business, situated in a town of 10[illegible] people; terms easy; owner retiring. Apply for particulars to M.P.S., [illegible] Messrs. Evans, Sons & Co., 56 Hanover Street, Liverpool.

SOUTH WALES.—A very profitable Light Retail, Dispensing, and Presc[illegible]ing Business; returns last year £1,062, net profit £413 clear of all expe[illegible]s, gradual increase every year; low rent, long lease, good house; pr[illegible] £800; every opportunity given for investigation. 152/4, Office of th[illegible] Paper.

STAFFORDSHIRE (Potteries).—Small Branch Retail with Post Office; good opening for beginner, and a bargain to immediate purchaser. Apply, Postmaster, Bleasdale (Limited), York.

WEST OF ENGLAND CITY.—Urgent reason for disposal of Branch; good Prescribing and Cash Retail; few patents; several own proprietaries; busy growing suburb; good house; well-stocked shop; lease at £52; returns average £470; net profits over £150; price £200 (less than valuation). "Dekko," c/o Messrs. Wyleys, Coventry.

WOMBWELL, YORKSHIRE. — For immediate Disposal, the genuine old-established Dispensing and Family Chemist's Business; central position, close to both markets; returns over £1,000; price, to an immediate purchaser, £500; present hands over 16 years. Apply, J. T. Lambert, Chemist, 5 High Street, Wombwell, Yorkshire.

WORCESTERSHIRE —Old-established Light Retail and Dispensing Business, in a populous manufacturing town, for Sale; in vendor's hands 49 years; failing health renders early transfer imperative; several valuable proprietaries to be included; price £150, or valuation. Apply, "Senex," c/o Messrs. O. R. Harker, Stagg & Morgan, 15 Laurence Pountney Lane, London, E.C.

BUSINESS in Midlands, returning from £600 to £800 under management; might easily be doubled; fullest investigation allowed; price £300. Apply, 151/27, Office of this Paper.

CHEMIST and Dentist.—Business for Sale, showing profit of £450 per annum; Dental department improving daily; a Wholesale Business attached, which is worked through the Wholesale houses without travellers, and is capable of great improvement; rent £60 for two houses; price £900. Apply, "Bargain" (151/11), Office of this Paper.

FIRST-CLASS Retail and Dispensing Business; best position in a rapidly-increasing town, about 20 miles from London; started about 18 months; receipts about £12 a week, and increasing; rent of shop and room at back, £20 a year; lease to run, about 17 years; newly-fitted up: heavily stocked; profits 33 per cent.; will bear strictest investigation; price £600. 152/7, Office of this Paper.

FOR Sale, an old-established Chemist's Retail Business, established over 40 years; stock and fixtures, under cost, about £200; will take part cash and part by instalments secured to immediate purchaser. Apply, M. A. O., c/o Southall Bros. & Barclay, Birmingham.

FOR Sale, the Dispensing and Light Retail Business at 129 Alexandra Road, Alexandra Park, Manchester; owner has taken larger business and left the neighbourhood; fine corner shop; good house; lease; fullest investigation; price moderate. Apply, T. E. Handford, Pharmaceutical Chemist, Station Bridge, Harrogate.

GENUINE Country Business to be Disposed of; ill-health cause of selling; old-established; no opposition; large shop, well fitted and stocked; low rent; returns £400. Further particulars, apply to S. (146/7), Office of this Paper.

GENUINE Light Retail in populous, quickly-growing suburb of Midland county town; been established just over a year; returns £4 16*s* per week; Patents almost nil; rent £26; good house and garden; ill-health cause of leaving; price £120 or offer. Apply, "Lemon" (149/9), Office of this Paper.

£50 will purchase small Business, just started, in first-class market town in Surrey; small lock-up shop, at nominal rent; a young man might work up good business. "Statim" (15/42), Office of this Paper.

£65 Cash to immediate purchaser for old-established Chemist's Prescribing Business, in main London thoroughfare; in good working order; populous district; rent moderate; convenient house; references to Wholesale houses for many years' trade done up to date. 150/26, Office of this Paper.

£200 Cash, and £75 by instalments, will buy a brisk Cash Drug and Prescribing Business, on main road near Manchester; handsomely fitted and fronted shop; very saleable stock; returns £14, net profits over £8 per week; must sell quickly; best reasons; no opposition near; personal application preferred. For address, apply to "Statim" (150/15), Office of this Paper.

£275, or near offer; part could remain on easy terms, if guaranteed; old-established; profitable; well stocked; few patents; good house. Particulars from "Pith" (148/17), Office of this Paper.

PARTNERSHIPS.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

PARTNERSHIP.—Energetic man, 34, with moderate capital, able to make a highly lucrative addition, desires Partnership with established Chemist with good premises, whose business could be largely increased by smart man; seaside or pleasure resort preferred; full particulars of premises and capital required. Haddon, 56 Downs Park Road, London, N.E.

*a**

BUSINESSES WANTED.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

ADVERTISER is open to buy a Country Business; locality of no consequence providing there is scope for increase by the introduction of capital and energy; or a Partnership would be entertained in any old-style business, where a change to the more modern system of trading would be likely to prove beneficial. "Cinchona" (152/18), Office of this Paper.

MESSRS. BERDOE & CO., having recently sold a large number of Businesses, are still in want of others for clients waiting with the cash; we can quickly dispose of Businesses returning from £700 to £4,000, and invite correspondence from intending vendors. Valuation and Transfer Offices, 35 Jewry Street, Fenchurch Street, City.

WANTED, a good-class Dispensing Business, in healthy locality, dry air and well above sea level; price up to £1,000. Address full particulars, gross returns, net profits and price required, to "Durban," c/o Southalls, Birmingham.

WANTED, to purchase, for cash, a Chemist's Business, in England or Scotland; coast or near preferred; turnover no object; or would be glad to hear of a good opening, and would give £5 for such information if acted upon; replies received in strict confidence. Fisher, 20 Moorfields, Liverpool.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

Advertisers whose Announcements appear under this heading can make arrangements to see applicants for the situations at our Offices, by giving a few days' notice to THE PUBLISHER, 42 Cannon Street, E.C.

RETAIL.

BELFAST (Ireland).—Wanted, qualified Assistant; outdoors. Apply, with full particulars, to Grattan & Co. (Limited), Belfast.

BIRMINGHAM.—Junior or Improver; General, Retail, Dispensing, Prescribing; gentlemanly, with good address; must be active and willing; time and assistance for study; outdoors; dinners and tea provided, Sundays excepted; one seeking permanency preferred. State age, height, references, salary required, enclose photo (to be returned), Walter Scott, 316 Wheeler Street, Birmingham.

BIRMINGHAM.—Early in June, active, obliging Junior (22 or 23), with good knowledge of Dispensing and General Retail; indoors; comfortable home; weekly half-holiday. Send photo, salary required, and full particulars to J. McLanachan, 153 Dudley Road, Birmingham.

BIRMINGHAM (near).—Wanted immediately, a trustworthy Assistant, to help at Branch; good Prescribing experience; Wednesday's close 2 till 6 o'clock; one seeking a permanency preferred; comfortable home. Apply, stating salary required, with references and photo, if convenient, E. C., 11 Coventry Road, Hay Mills, Birmingham.

BIRMINGHAM.—Wanted, at once, a trustworthy Assistant to a Mixed Retail and Prescribing business; one desiring a permanency preferred. Apply, with references and salary required (in or out doors), to Bolesworth's Drug Stores, Alum Rock Road, Saltley, Birmingham.

BRIGHTON.—Qualified outdoor Assistant, about 26, wanted as Counterman and Dispenser, and later on to undertake Branch-managership; married man not objected to if family is small. Enclose carte, and state age, height, and full particulars of experience and salary required, to "Headlands," 90 Western Road, Brighton.

BRIGHTON.—Qualified Assistant for Dispensing and Light Retail business; Junior kept. State age, height, references, salary (indoors), and when disengaged, also enclose photo, if convenient, which will be returned, Kilby Pears & Son, Pharmaceutical Chemists, 16 Western Road, Brunswick Square, Brighton.

BURSLEM.—Assistant wanted immediately; outdoors; aged about 25; permanency; must be good Counterman and capable of taking management. State age, height, and salary required, half holiday weekly, replies not answered declined; address 38 Market Place, Burslem.

BURY ST. EDMUND'S.—Wanted, at once, a smart and intelligent Junior, of gentlemanly appearance and conduct; outdoors. Full particulars of height, salary, references, to Nunn, Hinnel & Clark.

CAPE COLONY.—Wanted, 2 qualified Assistants; age not over 28; 3 years' agreement; salary, first year, £13 per month; second, £14; third, £15; passage paid. Apply, R. L., S. Maw, Son & Thompson, 7 to 12 Aldersgate Street, E.C.

CAPE TOWN.—Qualified Assistant wanted for first-c[illegible] business; not over 26 years of age; thoroughly steady, accurate Dispenser; second-class passage paid; 3 years' agre[illegible] signed; room supplied, but not board; salary first year £12 [illegible] £13 10s., third year £15 per month. Further particulars on [illegible] "Medicus," c/o John Murdoch & Co., 52 Leadenhall Street, L[illegible]on.

CEYLON.—Required for Ceylon, Dispenser, holding M[illegible] tion; single; of good address, and not over 24; Scotem[illegible] four years' agreement at progressive salary. Address, with fu[illegible] &c., "Ceylon," c/o J. W. Vickers, 5 Nicholas Lane, E.C.

CHATHAM.—Junior Assistant or Improver (outdoor[illegible] state age, height, salary required, and enclose photo (to [illegible] Apply to T. C. Lamb, Chemist, Chatham.

CHELMSFORD.—Wanted, two good Juniors (in or [illegible] take place those leaving to study; one qualified, both [illegible] Dispensing, Photography, and general Country trade in agr[illegible] trict; hours easy. Reply, with full particulars, enclosing po[illegible] salary required, to James Tomlinson, Chemist, Chelmsford, E[illegible].

CHELTENHAM.—Junior wanted, at once; easy hours [illegible] Apply, Waite & Chambers, Dispensing Chemists, Mont[illegible] tenham.

CLAUGHTON.—Junior or Improver.—A vacancy will [illegible] end of June in a high-class Suburban establishmen[illegible] Dispensing; preference given to a well-educated young gentl[illegible] just finished his apprenticeship; private as well as busine[illegible] essential. Yates, Claughton, Birkenhead.

DERBY.—Qualified Assistant wanted, at once, for go[illegible] Retail, where three are kept; indoors; comfortable ho[illegible] man of good address; one fresh from college preferred. [illegible] photo, to Hodgkinson, Osmaston Road, Derby.

DUBLIN (Ireland).—Wanted, at once, indoors, Assista[illegible] Dispensing; one used to Prescribing and Counter work. [illegible] of last two testimonials, photo, and state salary expected, als[illegible] &c., Dr. Allen's Medical Hall, Dublin.

DURBAN, NATAL.—Qualified Assistant wanted; you[illegible] appearance; quick and accurate Dispenser; salary £1[illegible] £165 second, £180 third year; room supplied, but not board; [illegible] passage paid; 3 years' agreement to be signed. Apply, w[illegible] ticulars, to R. M. (152/6), Office of this Paper.

DURHAM.—Wanted, a qualified Assistant, accustom[illegible] class Retail and Dispensing business; good Counterma[illegible] references required; state salary (outdoor), and usual partic[illegible] if convenient, to be returned. Apply to Sarsfield & Co. (Limi[illegible]), Ma[illegible] Place.

EASTBOURNE.—Wanted, early in June, a Junior A[illegible] about 21 years, for the summer season in a light Ret[illegible] pensing business. Apply, stating age, and references, t[illegible] Chemist, Seaside, Eastbourne.

EASTBOURNE.—An Assistant wanted. Apply, with full [illegible] age, height, salary required, to R. Trickey, Chemist, [illegible] Road, Eastbourne.

EXETER.—Junior Assistant (outdoors) wanted, immed[illegible] good-class Dispensing and Retail business. Apply, [illegible] height, salary required, references, and enclose photo, to M[illegible] Pharmaceutical Chemists, 265 High Street, Exeter.

EXMOUTH.—Wanted, qualified Assistant about 22; go[illegible] and Counterman, with knowledge of Photography if [illegible] stainer. Apply, stating age, experience, salary required ([illegible] enclosing photo, which shall be returned, to John R. C. Stephe[illegible] Exmouth.

FAREHAM.—Qualified Assistant, in June, not under [illegible] manly appearance; good-class trade; Extractor, and [illegible] of Photography; permanency; salary £100 and commissio[illegible] hours 8.30 to 8.30 Saturdays 10 P.M., one evening off, no [illegible] Photo, or personal interview, W. O. Smith, Fareham, Hants.

HARROGATE.—Wanted, at once, a trustworthy Assista[illegible] Retail and Dispensing business for 5 months. State age [illegible] references, enclose photo (to be returned), J. R. Pullan, Chemist [illegible]

HAYWARD'S HEATH.—Assistant, experienced in [illegible] and good-class Retail; one kept; indoors; hours 8 to [illegible] off daily. Photo (to be returned), references, salary, and full p[illegible] R. O. Hayes, Chemist, Hayward's Heath, Sussex.

HEBDEN BRIDGE (Yorkshire).—Wanted, a qualifie[illegible] about 27, for good-class Country business. State age, h[illegible] required (outdoors), married or single, with references, to Thos [illegible] Hey, Chemist, Hebden Bridge.

HUDDERSFIELD.—Wanted, a qualified Assistant, exp[illegible] good Dispensing business; one desiring a permanen[illegible] State age, height, if married, salary required (outdoors), and [illegible] gaged; also send particulars of past experience, with reference[illegible] if convenient, to King, Walshaw & Co., Limited, 4 Market Pla[illegible] field.

HUL -Assistant (outdoors), General Light Retail; energetic, obliging, a reliable; salary and commission; comfortable permanency to suitable n; age, references, and usual particulars. Apply to Edwin Fowler, mist, 218 Hessa Road, Hull.

HUL -Junior or Improver, outdoors, first week in June; hours 8.30 to half-holiday weekly; young man just served apprenticeship would d State age, references, and salary expected, to Richardson, Chemist, Hessle Road, Hull.

HYT :—Junior or Improver. Apply, stating age, references, salary re ed, with photo if convenient (to be returned), R. Lemmon, Hythe, K

INDIA Required, an Assistant (Minor), about 24, single, with first-class ndon (West-end) experience; of gentlemanly appearance; 4 years' a ment; liberal salary; passage out, and furnished apartments. Apply by ter, S. M. O., c/o Messrs. Meggeson & Co., 14 Miles Lane, E.C.

KEIG EY.—Wanted, a Junior or Improver; outdoors; one only kep State age, salary, and full particulars, A. N. Kersbaw, Chemist, ghley.

LEAM GTON SPA.—Assistant, about 23; good Dispenser and Coun man, with knowledge of Photography, if possible. Apply, stating ex ience, age, and salary required (indoors), and enclosing photo (to be retu d), to Davis, Chemist, Leamington.

LEICE ER.—Wanted, a Senior Assistant, of gentlemanly appearance and d address, for first-class Pharmacy; outdoors, and single. Please sen s usual particulars to G. Woolley, Station Pharmacy, London Road, Lei r.

LEYT (near London).—Assistant wanted; must be a good sales-man, d competent to take charge; qualified, and with some experi-ence of go lass Store trade preferred; close Thursdays at 5, Sunday duty two hours rtnightly. State age, height, salary, experience, references, enclose ph (rsturned), Matthews & Son, Chemists, Leyton.

LINCO NSHIRE.—Chemist, qualified, required for Lincolnshire town Store and Dispensing business; easy hours; no Sunday work, and e-half day per week; outdoors; good salary to suitable man. Apply, sta g salary required, experience, and full particulars, to T. R. C., Potter & ke, Artillery Lane, E.

LIVER OL.—Wanted, at once, a Junior Assistant or Turnover Appr ice, about 19, in a Light Retail and Dispensing business; time allow for recreation and attending School of Pharmacy. Apply, stating age eight, and salary expected, with reference, to Hinkley, Sea-combe, Liv ool.

LLAND DNO.—Wanted, a qualified Assistant. Apply, with full parti ars, to J. Burton, Chemist, Llandudno.

LONDO , S.W.—Wanted, a qualified Assistant, aged from 26 to 34, to n rtake partial management of business. Apply, with full particulars . V., 6 Barclay Road, Fulham.

LONDO W.—Part-time Assistant (indoors); exceptional time for study Feltwell & Co., 27 Glenthorne Road, Hammersmith, W.

LONDO (Suburb).—Manager (qualified) wanted till August; pleas London suburb, Light Retail, Dispensing, and simple Pre-scribing; ase state age, experience, salary (outdoors), and names, &c., of two or mo recent employers; applications, not answered by May 24, respectfull eclined. Apply, "Entire Charge" (146/13), Office of this Paper.

LONDO N.W.—Improver or Junior for good-class Dispensing busi-ness; doors; also vacancy for well-educated youth as Apprentice (outdoors). . W. Roberts, 204 Haverstock Hill, Hampstead, N.W.

LONDO W.—Curtis & Co. have a vacancy for a qualified Assistant, about ; must have had good experience, and write well. Apply, with full p iculars, and photo, to W. G. Jameson, 48 Baker Street, Port-man Squar V.

LONDO , S.W.—Competent Senior Assistant required; qualified; must accustomed to good-class business. Apply, stating salary, age, and u al particulars, to J. Selley, 142 Earl's Court Road, South Kensington

LONDO W.—Junior Assistant, by June 1, where 5 others are kept. State e, height, salary required (indoors), enclosing photo if con-venient, to harmacist," 118 Holland Park Avenue, W.

LONDO W.—Wanted, an Assistant, qualified; must be a good Count nan; also an unqualified Assistant; both for the first week in Juns. P oully & Co.'s Drug Stores, 85 Bishop's Road, Bayswater.

LONDO N.W.—Junior; abstainer; indoors; end of May; about 19 or 20 rs of ags; hours 8 till 10, and alternate Sunday evenings; at liberty T rsday afternoon and evening; salary £30. Apply personally, or enclosing arte, stating height, age, references, &c., to Mr. Tapliu, 91 Hampste Road, London, N.W. One only kept.

LONDON, W.—Junior or Improver wanted; 4 Assistants employed. Apply, F. W. Warren & Co., 340 Harrow Road, London, W. (5 minutes from Royal Oak Station).

LONDON, S.W.—Messrs. S. F. Goss (Lim.), require an Assistant about 25, for the front counter; must be a good salesman and well up in his business. Apply, at 3 Sloane Street, S.W.

LONDON, W.—A qualified Assistant wanted in a first-class Dispensing business where 4 are kept. State age, height, and salary required (indoors), to A. B., c/o Horner & Sons, Mitre Square, Aldgate, E.C.

LONDON, N.—Qualified Assistant wanted, for Light Retail and Dispensing; about 23 preferred; commencing salary £60. Apply, Harcombe Cuff, 25 Friern Barnet Road, New Southgate.

LONDON, W.—A qualified Assistant, accustomed to good Dispensing business; indoors. Apply, personally if possible, or by letter, stating age, and salary required, to A. & W. Hemingway, 20 Portman Street, Portman Square, W.

LONDON, W.—Wanted, on June 1, a qualified Assistant, about 24 years of age, and accustomed to a good-class Dispensing business. Apply, Lynn, Chemist, Holland Park Avenue, W.

LONDON, N.—Wanted, a good Junior, at once, for a Light Retail and Dispensing business; indoors; hours easy. Clifford Moore, Woodside Park Pharmacy, North Finchley, N.

LONDON, W.—Good Countermau wanted at once. Apply, personally, S. F. Goss (Lim.), 201 Regent Street, W.

LONDON, N.—Wanted, at once, an Assistant, about 21, accustomed to a good-class Dispensing business; indoors; half-holiday weekly, from 2; one with some knowledge of Photographic business preferred, but not essential. Apply, personally, or by letter, giving full particulars, to Taylor, Chemist, 5 Queen's Parade, Muswell Hill, N.

LONDON, S.W.—Wanted, qualified Assistant; easy and comfortable berth to a suitable gentleman. Apply, personally, or if by letter enclose photo, to W. W. Evans, 192 Fulham Road, S.W.

LONDON, E.—Assistant required; Store experience; aged 25 to 30; able to Extract. Apply, Maguire, 65 Bow Road, E.

LONDON, N.E.—Part-time Assistant; indoors; would suit Minor student wishing to attend college 3 or 4 days a week. Apply, personally or by letter, with usual particulars, to Brown & Chapman, Chemists, Beulah Road, Walthamstow.

LONDON, S.W.—Qualified Assistant wanted; indoors; £60 per annum; personal application if possible. C. H. Booth, 394 King's Road, S.W.

LONDON, N.W.—Competent Assistant (not necessarily qualified) for good-class Dispensing and Retail; must have had good experience and be possessed of first-class references. Apply, Bevan, 6 Dennington Parade, West Hampstead, N.W.

LONDON, S.E.—Wanted, smart qualified Assistant, for Cash business; hours short; good prospects to suitable man. Apply, with full particulars, to B. (152/5), Office of this Paper.

LONDON, N.W.—Immediately; Assistant wanted for high-class Dispensing and Family business; must be of good appearance and address; outdoors. Apply, giving full particulars of experience, &c., to Mr. Rowland, Station Pharmacy, Willesden Green, N.W. (16 minutes from Baker Street Station, Metropolitan Railway).

LOWESTOFT.—Assistant wanted, immediately, for about six months, in good-class business; aged from 22 to 24. Apply, enclosing references, photo, and salary required, to Hume, The Grove Pharmacy, Lowestoft.

MANCHESTER.—Wanted, immediately, good Junior; indoors; one accustomed to middle-class quick Cash trade. State salary, age, height, photo if possible, Nidd, Chemist, 714 Rochdale Road, Manchester.

MANCHESTER.—Qualified indoor Assistant; about 25; first-class Dispensing experience essential. Address, stating references, salary, height, &c., and enclosing photo (to be returned), to T. Woodruff, Pharmaceutical Chemist, Withington, Manchester.

MANCHESTER DISTRICT.—Wanted, Senior Assistant; qualified; three Assistants kept. State salary required (outdoors), experience, height, age, &c., to "Pharmacist," c/o Hearon, Squire & Francis, 38 Southwark Street, London, S.E.

MEDITERRANEAN.—A qualified Junior, for first-class Dispensing business; must be a quick and able Dispenser; six months' agreement. Apply, "Mediterranean," Messrs. Evans, Lescher & Webb, 60 Bartholomew Close, London, E.C.

SITUATIONS OPEN—*cont.*

RETAIL—continued.

NEWBURY.—Junior Assistant wanted for good-class Country business (Wholesale and Retail). Apply, stating age, salary required, references, and photo (to be returned), to Hickman & Metcalf, Chemists, Newbury.

NOTTINGHAM.—Qualified Assistant, outdoors preferred, for a Retail and Dispensing business. Apply, stating age, salary, references, and enclosing photo, to William Gill, 207 Radford Road, Nottingham.

N.W.—Wanted, immediately, Senior and two Junior Assistants for first-class Cash business, Photographic trade; good salary and commission to smart competent hands. Apply, giving particulars of age, height, experience, and salary required, enclosing photo if convenient, to X., c/o Hodgkinson, Preston & King, 81 Bishopsgate Street, E.C.

PRESTON.—A qualified outdoor Assistant, not under 25 years of age, and with some knowledge of Photography. G. Sharples, Pharmaceutical Chemist, Preston.

SHERBORNE.—Junior, for a few months; outdoors; easy hours; half-holiday weekly. Apply, with full particulars, to Burnett, Chemist, Sherborne.

SOUTH AFRICA.—Wanted, a Junior Assistant (qualified preferred), from 22 to 24 years of age; must be a competent Dispenser and with good all-round experience; three years' engagement; salary first year £150, second year £162, third year £174; passage and expenses paid to destination. Apply, by letter, giving usual particulars, to Fitch, 28 Egerton Gardens, Ealing, W.

SOUTH AFRICA.—Wanted immediately, a qualified Assistant; Tooth Extractor preferred; must be energetic and willing, and able to give satisfactory testimonials and references; 3 years' engagement; second-class passage paid out; salary, first year £16 per month, second year £17, third year £18 per month; bedroom provided; please supply all particulars when making application. Address, "South Africa," c/o Messrs. Evans, Lescher & Webb, 60 Bartholomew Close, London, E.C.

SOUTH WALES.—Wanted, a qualified Manager for a Branch; some acquaintance with Welsh preferred; must be capable and willing. State particulars of age, references, and salary required (outdoors), to Jesse Boot, Nottingham.

STAFFORD.—Wanted, a Junior Assistant, for good-class General Retail and Dispensing; outdoors. State age, height, and salary required, and enclose photo, J. Marson & Son, Stafford.

STONY STRATFORD.—Wanted, a Junior Assistant (outdoors) in General, Retail, and Dispensing business. Apply, stating age, experience, and salary required, to Cox & Robinson, Stony Stratford.

S.W.—Manager and smart Junior or Improver required immediately, for high-class Store and Photographic trade; in or out doors; liberal salary and commission to competent hands seeking permanency. Send full particulars of age, height, experience, salary required, enclosing photo if convenient, to Z., c/o Davy, Hill & Sons, 64 Park Street, Southwark, S.E.

THAMES VALLEY.—Qualified Assistant, about 27, for Branch business; good hours, no Sunday duty; must be reliable and industrious; one who desires to settle down preferred, and who would have house provided after first month. Apply, with usual particulars, in first instance to "Integrity" (147/11), Office of this Paper.

TRURO.—Smart Junior wanted; indoors; easy hours; half-day holiday per week: no Sunday duty. Apply, stating age, salary required, and references, with photo (to be returned), to B. Carter, Pharmacist, 10 and 11 Lemon Street, Truro.

WARWICK.—Wanted, Junior Assistant, for about 3 months. Apply, with usual particulars, Mellor & Co., Warwick.

WARWICK.—Wanted, Junior Assistant, at once; Apprentice kept; age about 20; indoors. Apply, stating age, height, salary, &c., with photo, Holliday, Chemist, Warwick.

WILLENHALL.—Wanted, a reliable Junior Assistant, about 22; outdoors; good Extractor; half-holiday weekly from 2 P.M.; salary 30s. weekly. Apply, stating age, reference, with photo (to be returned), to William H. Walker, F.C.S., Chemist, Willenhall, Staffs. Applications not answered in three days declined.

WIMBLEDON.—Junior Assistant wanted by the first week in June, with good references; one accustomed to a Light Retail and Dispensing business. Apply, with full particulars, enclosing photo, to Mr. Spencer, Chemist, 2 Broadway, Wimbledon, London, S.W.

WOLVERHAMPTON.—Wanted, indoor Assistant a qualified or unqualified. State age, height, referen liberty, salary required, and enclose photo, to "Chemist," 11 Q Wolverhampton.

WOODHALL SPA.—Junior for season (6 months); mu address and accustomed to Dispensing business; indo Carlton & Sons, Chemists, Horncastle.

WORCESTER.—Outdoor Assistant, for the Dispen Apply, with photo, stating age, height, and experien Kitson, The City Drug Stores, Worcester.

WORCESTER.—Qualified Assistant (indoors) for ben pensing and Retail. Apply, giving age, height, sala and experience, photo if convenient, to George & Welch.

WORTHING.—Wanted, Dispenser for Doctor's for weeks, commencing June 6, while Dispenser takes holi A. L. Pearson, 2 Palmerston Terrace, Crescent Road, Worthing

YORKSHIRE; Country Mixed business; wanted, qualifi (indoors); age from 28 to 35; Prescriber, Extractor; member of some Christian Church and Yorkshireman pref ences required. For further particulars, apply 164 Hudder Ravensthorpe, Dewsbury.

CHEMIST.—Salary £3 per week; required, Assistant D Store trade; West-end; must be duly qualified. Appl stating full particulars of previous engagements, age, and qual "Chemist," Chas. Tayler & Co.'s Advertisement Office, 154 Street, E.C.

DISPENSER (indoors) wanted for a few days, from Satur till Wednesday, May 24. Apply, H. W. Finney, c/o D Thorpe, 32 Bedford Hill, Balham, S.W.

JUNIOR for fashionable health-resort for 4 months; nea and good Counterman indispensable. State salary, send particulars, "Confidential" (148/27), Office of this Paper.

MANAGERS.—Three competent men wanted; must b Salesman, steady, reliable, and experienced. Apply, Bon mont Street, London, W.C.

MEDICAL Consultant wanted; qualified or unqualified; expert Diagnostician and good Correspondent; interes right man; apply in confidence with references and full Address, 148 6, Office of this Paper.

QUALIFIED Manager, for Branch; to live on premises. particulars, Gregory & Wrenn (Limited), Chemists, Taun

QUALIFIED Assistant, about 23, wanted; indoors. Apply c/o Messrs. Hearon, Squire & Francis, 38 Southwark Str

QUALIFIED Manager (married) required at once for business; must be competent to take entire charge; salary given to a suitable man; in first letter give all particu 5 years' experience, with references and photo. Apply, Manager (Lim.), Huddersfield.

QUALIFIED Manager wanted, at once, for country Eastern Counties man preferred; competent Prescribe tractor; aged 35 to 40; permanency for suitable man (marr salary and house; if desired, temporary arrangement at first approval. Apply, with full particulars, "Manager," 2 Bric Thetford, Norfolk.

QUALIFIED Assistant required for good-class modern with view to ultimate managership; state age, exper salary required; personal interview in London desirable befo ment. "Statim" (151/25), Office of this Paper.

UNQUALIFIED Assistant wanted, for the Midlands; y getic, and with several years' good references. State ences, and salary required (outdoors), to Jesse Boot, Nottingha

UNQUALIFIED Assistant for modern Pharmacy; pers view by preference in London. State full particulars experience, and salary expected to "Barium" (151/26), Office of

WANTED, a Dispenser and Surgery Attendant. Apply, salary, &c., 69 Rochdale Road, Royton, near Oldham.

WANTED, two qualified Counter Assistants for quick Cash R about 25 or 26. State height, salary required, with ref Wand, Cash Chemist, 18 Haymarket, Leicester.

WANTED, a Junior Assistant in Dispensing and Light Reta with a knowledge of Postal and Telegraph duties; liberal tion to one whose character and conduct will bear investigation. details, G. T., (147/19), Office of this Paper.

WANTED, qualified Assistant for 3 days a week, viz., Tuesday, ednesday, and Thursday, also Sunday evenings. Apply, J. R. Kent, 2 Blackfriars Road.

WANTED, a Junior, as soon after Whitsuntide as possible, for Mixed untry business; indoors; hours 8 till 9, except Saturday. State salary, th usual particulars, "Phenazone," c/o Evans, Sons & Co., Hanove treet, Liverpool.

WANTED, an energetic Assistant; must have first-class references; e 23 to 30; single; salary 45s. week, outdoors. Apply, 147/14, Office o is Paper.

WANTED, a careful Dispenser and Bookkeeper; outdoors. Apply, ting age, salary, and experience, with recent reference, to Dr. McFarla , West View House, Lincoln.

WANTED, a resident Assistant in an Institution in Liverpool, for the e of Intemperance, &c.; must have unimpeachable character, and be sessed of firmness combined with kindness; Chemist preferred. Address, Institution," c/o Lee & Nightingale, Advertising Agents, Liverpo

WANTED, immediately, Assistant for first-class Dispensing business; st be well up. State full particulars, 150/21, Office of this Paper.

USSEX COUNTY HOSPITAL, BRIGHTON.

WANTED, an Assistant Dispenser; Minor qualification; male; rs 9.30 till 4; dinner provided; salary £70 per annum. Particulars E. Fenner, Dispenser.

WHOLESALE.

ASSISTANT, for provincial Wholesale house; accustomed to Pill ng and Coating. State salary required, references, and full particula as to experience, 146/6, Office of this Paper.

COMMISSION offered to Traveller, with connection amongst Chists, to sell Photographic Mounts, &c.; a paying agency to a capable n; liberal terms; Scotland and South-west of England only, not Wale Apply, 141/35, Office of this Paper.

TRAVELLERS.—(Side Line) one or two gentlemen calling upon Chests to introduce Labern's Choice Popular Perfumery; beautiful goods; l al commission and bonus. Full particulars, ground covered, &c., to H abern & Son (Limited), Harp Works, Stoke Newington, N.

WANTED, an Assistant for Wholesale and Retail Drug Drysaltery b ness; one used to soliciting orders in the country about four days a w k. Send references, photo, salary, age, &c. (indoors), B. B. Oowgill, werby Bridge, Yorks.

WANTED, a young man, resident in Glasgow or Edinburgh, to call o Wholesale Druggists and Chemists, and represent an old-established Lo on House. Send full particulars to Box 58, Sell's Advertising Agency, ndon, E.C.

WANTED, Travellers, for the sale of Carnos Extract; must be first-cl men. State terms, ground covered, and all particulars, to Carnos (L ited), Grimsby.

WANTED, a qualified and educated Pharmaceutist, of good address, to all ou Chemists and Medical men, to introduce very high-class product eady established; previous experience in this line of work absolutel sential; liberal terms. Apply, by letter, stating fullest particulars a o experience, testimonials, salary, &c., to B. S., c/o T. B. Browne's ivertising Offices, 163 Queen Victoria Street, E.C.

WANTED, a reliable smart man, to superintend a go-ahead Proprietary and Packed Perfumery business; one accustomed to the work. S e age, and give full particulars, to Z. (150/22), Office of this Paper.

WANTED, an experienced gentleman, who is thoroughly up in the nce and Essential-oil trade, to work up the business with a Chemist h capital, but no previous experience. Apply, giving full particula to X. (150/23), Office of this Paper.

SITUATIONS WANTED

1s. for 12 *words or less;* 6*d. for every* 6 *words beyond.*

RETAIL.

AS Jun in Store or quick Cash business; aged 21. J. R., 14 St. Aldate's, Oxf d.

DISPENSER to Surgeon; 21; good experience; at once. 81 George Str , Luton.

JUNIOR; 20; experience 4 years. F. Tucker, 4 Regent Street, Burnham, Somerset.

L.T. (48); town or country; qualified. Baker, 65 Leverton Street, London, N.W.

LOCUM; day, half-day; good Salesman, Prescriber. "Chem.," 4 Mayfield Road, Dalston, N.E.

LOCUM-TENENS; qualified; aged 54; disengaged. W. E. Jones, Greenfield Villas, Llanelly.

JUNIOR; unqualified; 22; Manchester district preferred; references. Conner, Mill Town, Glossop.

ASSISTANT; 23; unqualified; 2 years present situation. "Cera" (146/34), Office of this Paper.

ENGAGEMENT for June only; qualified; 25; competent. Apply, 149/24, Office of this Paper.

ASSISTANT (21) requires situation with time to attend school. Chapman, Crowle, Doncaster.

LOCUM or Temporary Assistant; qualified; disengaged. Gamble, 39 Stradbroke Road, Gorleston.

LOCUM; 33; disengaged next two weeks; well recommended. "Locum," 51 Lambeth Walk, S.E.

EVENINGS, two or three weekly; tall; aged 27; Hall qualification. Edwards, 38 Fentiman Road, S.W.

MANAGER; qualified; highest references; married; aged 33. W. M. (144/11), Office of this Paper.

AT liberty; unqualified; 24; good appearance; Store experience. "Delta" (149/6), Office of this Paper.

ABROAD.—South Africa preferred; aged 24; good references; unqualified. 144/5, Office of this Paper.

ASSISTANT or Dispenser; qualified; good experience and references. Lenton, Olifton, Biggleswade.

MANAGEMENT, Branch; Locum or Permanency; qualified; aged 50; disengaged. Key, Monmouth.

MANAGEMENT, Branch; Locum or Permanency; disengaged. Davis, 41 Finsbury Road, Wood Green, N.

PART-TIME desired; engaged evenings; unqualified; outdoors. "Abbott," 162 Kennington Park Road, S.E.

LOCUM; qualified; knowledge of Photography; aged 24. "Locum," c/o Mr. Blyth, Chemist, Holmeside, Sunderland.

BRANCH Manager; temporary or permanent; qualified; married. M., Secretary Y.M.C.A., Greyfriars, Gloucester.

LOCUM; thorough experience; Prescriber and Extractor. Address, "Manager," 16 South Hunter Street, Liverpool.

MANAGER or Senior; qualified; good references. "Chemist," 4 Cleveland Residences, Cleveland Street, W.

LOCUM or permanency; qualified Assistant; good experience. "Chemist," 8 Fairfield Road, Newcastle-on-Tyne.

QUALIFIED Dispenser or Branch Manager; good references. Turner, 5 Ball Street, High Street, Kensington.

AS Manager or General Assistant; Pharmaceutical Chemist, good Prescriber. J., 2 Waddon New Road, West Croydon.

JUNIOR; unqualified; aged 22; disengaged May 24. State particulars, "Chemist," c/o Mr. Evans, Templegate, Bristol.

MANAGER or temporary; disengaged; qualified; experienced Prescriber, Extractor; single. W., 48 King Square, E.C.

DISENGAGED; active, competent man; 40; Mixed Country experience; unqualified. "Worker," 42 Vine Street, Uxbridge.

JUNIOR Assistant, emigrating to Canada, would like to communicate with view to an engagement. Apply, 148/13, Office of this Paper.

SITUATIONS WANTED—*cont.*

RETAIL—continued.

MANAGER; qualified; married; aged 31; 10 years' City and West-end experience; disengaged. 147/26, Office of this Paper.

LOCUM, experienced and reliable; 35; disengaged; abstainer; highest references. "Chemicus," 83 Devonshire Road, Chiswick, W.

LADY Licentiate Apothecaries' Hall, specially commended, seeks post as Dispenser. Miss Dawe, Satterthwaite Vicarage, Ulverston.

WHITSUN Locum; Saturday, Sunday, and Monday next: qualified; smart. Wire or write offers, Godfrey, 15 Draper Street, S.E.

DISENGAGED 8 to 6; unqualified; 24; Dispensing or Counter-work. "Competent," 153 Lavender Hill, Clapham Junction.

MINOR; finished medical curriculum; partly qualified; would assist busy London doctor part-time. "Erg.," Bethersden, Kent.

TEMPORARY engagement from middle of June; London; good salesman; experienced; 23. M. O. (145/18), Office of this Paper.

BRANCH Manager, or to take charge: 20 years' experience: Hall certificate; London, S.W., preferred. 148/3, Office of this Paper.

COMPETENT Counterman and Dispenser; 24; West-end experience; outdoors. Cheetham, 2 Eland Road, Lavender Hill, London, S.W.

ASSISTANT or Dispenser; aged 27: height 5 ft. 10 in.; excellent references and good experience. "Medicus," 423 Edgware Road, W.

MANAGER or Senior; London, in or near; qualified; disengaged; first-class West-end experience. Morris, Resugga, St. Erme, Truro.

ASSISTANT; disengaged one or two days a week, or two or three evenings; in or out of town. "Quassia," 30 Eversholt Street, N.W.

SENIOR Major, highest references, thoroughly experienced in Continental Pharmacy, desires permanency. 144/26, Office of this Paper.

AS Manager; qualified; married, with family; permanency; to live on premises preferred. Address, "Statim" (149/7), Office of this Paper.

OUTDOORS; Prescribing, Extracting; disengaged; S.E. or E. preferred; good experience. Morris, 189 St. Leonard Street, Bromley, London, E.

FRANCIS & CO., Chemists, Wrexham, can recommend a young lady competent to act as Storekeeper, and also in putting up Chemist's specialities.

DISPENSER seeks re-engagement to medical man; 4 years' experience; good references. Apply, G. Chase, 91 Hampstead Road, London, N.W.

LOCUM, Dispenser, or Manager; aged 40; active; very varied experience; disengaged on Monday next. L., c/o Skewes, Chemist, Upper Street, N.

ASSISTANT; 10 years' thorough all-round experience; well recommended; outdoors preferred. C. H., 51 Easton Street, High Wycombe, Bucks.

JUNIOR; unqualified; tall, dark; 22; 4½ years' country, 2 years' London experience; City or West preferred; good references. 148/40, Office of this Paper.

WANTED, by qualified man, abstainer, aged 32, situation as Dispenser at Dispensary or small Hospital; good references. "Minor," Y.M.C.A., Brighton.

DOCTOR'S Dispenser, Chemist's Manager; aged 47; married; references; present employer 2½ years; country preferred. S., Drug Stores, Hornchurch.

COUNTERMAN; 33; unqualified; thorough West-end experience; Store trade; good salesman; permanency. "Alpha," 70 Perrymead Street, Fulham, S.W.

MANAGER or Assistant, Locum or permanent; engagement [illegible] by Minor; experienced; good Retail, also Stores; in or [illegible] 150/2, Office of this Paper.

MANCHESTER DISTRICT.—Junior, 20, reading for [illegible] desires situation in good-class business; references. "Phot[illegible] Wall work, Chemist, Tyldesley.

DISPENSER to Doctor or Surgeon; qualified; Branch [illegible] 13 years' experience; aged 29; Liverpool or seaside [illegible]. 148/34, Office of this Paper.

ASSISTANT; part-time; London; accustomed to high-cl[illegible] Pharmacy; 6 years' experience; disengaged June 13. G[illegible], 10 Elmhurst Road, Gosport.

MANAGER, Locum or Traveller; qualified; middle aged; g[illegible] Prescriber; disengaged; no encumbrances. "Chemicus," 2 F[illegible] Road, Clapham Road, London.

ASSISTANT; unqualified; 25; good experience at Re[illegible] and Veterinary work; abstainer; Yorkshire or Lancashire p[illegible]. "Cortex" (149/29), Office of this Paper.

SOUTH AFRICA.—Junior; 22; 5 ft. 7½ in.; West-end, [illegible]iera, Provincial experience; 3 or 4 years' agreement; unqualified. [illegible]pl[illegible], "Riviera" (147/24), Office of this Paper.

MAJOR Student desires situation with Mondays, Wednesd[illegible] and Fridays off at 5; near Chancery Lane preferred; 23; 6 yea[illegible] good Dispensing experience. Dunford, Clevedon.

EXPERIENCED Chemist, who speaks French and German [illegible]tly, and English fairly well, wants a situation as Assistant in s[illegible]don Pharmacy. Apply, 143/11, Office of this Paper.

MANAGER or Assistant; married; 38 years; Prescrit[illegible] and Extractor; town or country; used to mixed Agricultura[illegible]ade. Fox, John Street, Ravensthorpe, near Dewsbury.

MANAGER (Branch), qualified; 38; married, no family ([illegible] on premises); Manchester district preferred; Store, Londo[illegible] Manchester experience. Apply, 147/27, Office of this Paper.

EXPERIENCED Assistant, 25 (qualified), undertaking Locu[illegible]ork, temporarily disengaged for Whit-week, week commencing [illegible] 11, and after July 19. Mo[illegible]ley, 190 Broadhurst Gardens, N.W.

ASSISTANT; 25; varied experience; 4 years last situation; th[illegible]ugh knowledge of Chemist's business; understands Photog[illegible]hy; highest references. O., 82 St. Mary's Road, Peckham, S.E.

30s. weekly or offer (indoors) secures the services of a cor[illegible]tent up-to-date all-round Assistant, with good reference[illegible]ged 35. Address, "Season," c/o Mr. Cole, 41 Tottenham Court Road, Lon[illegible], W.

LONDON.—Foreign Chemist (23), tall, 6 months' London [illegible]xperience, speaking French and English fairly well, desires situa[illegible] in a good pharmacy; excellent references. Stouffs, 162 Regent's Par[illegible]ad, N.W.

MANAGER; best-class London and Provincial Store expe[illegible] sound Buying and Photographic knowledge; energetic and [illegible] to date; qualified; married; height 5 ft. 10 in.; highest references. [illegible],29, Office of this Paper.

MANAGING Assistant, on premises or outdoors; aged 36; m[illegible]ed; no family; 20 years' good-class thorough experience: man[illegible] of 6 businesses; highest references; abstainer; Extractor, Photog[illegible]er. Scott, 21 Farrier Street, Deal.

WHOLESALE.

WHOLESALE.—Warehouse, or Office; good penman, qu[illegible] at figures, active, and sober. "Statim," 25 Ampton Street, L[illegible]on, W.C.

WANTED, situation in Wholesale; 5 years' experience in Retail [illegible] 20; small salary at first. Apply, J. G. M. (146/12), Office [illegible] Paper.

CHEMIST, qualified, smart, energetic, and capable, desires posi[illegible] in Laboratory; previous experience; good references. 149/4, O[illegible] of this Paper.

AS Chemist and Analyst; 15 years' experience in Manufact[illegible]g, Medical, and Commercial Analysis, Microscopy, and Photog[illegible]y. "Major" (150/28), Office of this Paper.

TRA ELLER; connection England, Scotland, and Ireland; 7 years r senting first-class houses; General, Drug, Proprietary, or Sundry ades. 152/2, Office of this Paper.

TRA ELLER for first-class firm; advertiser leaving Retail is de- s us of berth as above; smart; aged 29; excellent references. "Perch ide," 10 The Pavement, Chiswick, W.

A P ARMACEUTICAL Chemist, speaking Freuch fluently, and l ing had considerable experience abroad, desires to represent a Wholes house. 144/27, Office of this Paper.

BER IN AGENT, well introduced to Wholesale houses and industrial c erns, is open to represent a good Import firm of Technical Drugs, . Please address, "J. K. 7318," c/o Rudolf Mosse, Berlin, S.W.

TRA ELLER (Country), disengaged; large connection among C nists, Perfumers, Stores, &c.; has covered greater part of United Kingdo M. R., c/o Leonard Courtney, 185½ Aldersgate Street, City, E

MISCELLANEOUS.

Spe l charges are made for Advertisements under this eading, which can be obtained on application.

"A ESTION OF PROFIT."—Don't fail to see this Advertise- nt on page 20.

DAI (LIMITED), Leeds, will be happy to advertise (at reasonable r s) in Chemists' Lists, &c., &c.

CHE IST'S own uame aud address printed on Two-gross Lots of F Papers; hard margin. Write for samples and price, Mermaid Manufa ring Co., Leytonstone, N.E.

OLD Damaged Tea wanted, either Whole Leaf or Broken, for m ufacturing purposes. Send sample and all particulars, quoting lowest c price, to L. W. B. (144/1), Office of this Paper.

IVY-LAF CORN CURE.—Chemists not putting up their own Cor are, will find this a saleable line to Retail as their own prepara- tion at . Particulars from F. J. Houston, Chemist, Market Hall, Chesterfi .

FOR LE, a lot of hypodermic syringes, under cost price; a few co er scales; and a large number of job lots of bottles, to effect a clearanc good bargains. Apply, H. Poths & Co., 4, 5 & 6 Bury Court, St. Mary xe, E.C.

TO CEMISTS AND DRUGGISTS.—Wanted, Chemists and Dr gists, in every London district, to sell a patented and improved Vegetab Hairwash, now about to be introduced for the first time to the English ublic; very liberal terms to pushing agents. W. J., care O. J. Wa rs Advertising Offices, 24 Coleman Street, London.

"PRI IER" SULPHUR TABLETS.—Cheapest in the market s the best; 33s. per cwt., 5-cwt. lots 32s., carriage paid; special quotatio for large quantities; samples free on application; Sulphur and Sarsapar Tablets at same rates. Tennent & Co., 504 Barking Road, London,

SUL UR TABLETS, large, small, or lozenge shape, ½ cwt. at 34s., 32 wt., 2 cwt. at 31s.; send 3s. 3d. for 7-lb. box, or 6s. for 14 lbs, post free Blaud's Pills, 100 gross at 2d., 500 gross at 1¾d., 1,000 gross at 1½d.; in gross lever-lid tins, handsomely labelled, at 30s. gross; samples free. H & Co., 462 Holloway Road, N.

SOD WATER TROLLEY, that makes heavy work light, and on wh a boy of 8 can easily convey 3 dozen syphons; will go through any doo y, and is easily stored; fitted with patented wheels; dozens in daily us all parts of the country; carriage paid; 37s. Further parti- culars o e sole makers, Arthur & Co., Cambridge.

BOX .—Light wood boxes of every description, hinged or nail lids, pl d or unplaned, suitable for packing all kinds of articles; cheap- est, stro st, and best in the market; quotations by return post; sample 6 stamp list free. Write for sample aud prices, stating sizes required, to E. Oasbo Huntly Grove Box and Joinery Works, Peterborough.

TO CHEMISTS.—"Ludine for the Hair" is a valuable Remedy for Preventing the Fall and Promoting the Growth, and is very popular. 3s. 6d. size 28s., and 5s. 6d. size 48s. per dozen. The Ludine Company, 191 Victoria Street, London, S.W., will pay carriage on orders of not less than 1 dozen. It can also be obtained from all Wholesale Houses.

"PRIMUS" SULPHUR TABLETS.—1 cwt., 32s.; 2 cwt., 31s.; 5 cwt. 30s., carriage paid. Sulphur and Sarsaparilla same price; samples free. Send 3s. 6d. for 7-lb. box, post free. Blaud's Pills, 100 gross at 2d., 500 gross at 1¾d., 1,000 gross at 1½d., 1 gross tins at 30s. gross. Disinfecting Shells, 4s. 6d. gross, 5 gross at 4s. gross All carriage paid. Christy & Co., Smithfield Laboratory, Curzon Street, Leicester.

100% PROFIT ensured by selling Curic Wafers, the absolutely safe and certain cure for Headache, Toothache, and Neuralgia. Striking window show, with mechanical attraction, for one dozen order (9s.) P.A.T.A., at face value. A really sound Chemists' line, giving the utmost satisfaction to Chemists and their customers. Write for particulars to The Curic Co., Leadenhall House, London, E.C.

TAKE NOTICE, if you have not already complied with the New Poisons Regulations, the cheapest and most effective way of doing so is to attach the Patent Roughened Caution Label; complete set for attaching to the Dispensary Bottles, printed on Orange Paper, post free 2s. 6d. P. O.; larger sizes for Shop Rounds. See particulars, page 44 this week's *Chemist and Druggist*. Patent Caution Label Co., Upper Hagley Road, Birmingham.

CHEMISTS' Shop-fixtures.—Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens; counters with glass-case fronts; wall-cases; bent-front and flat-top counter-cases; counter-desks; tooth-brush cases; complete shop-rounds, &c.; every requisite for Chemists, new and second-hand; extensive stock to select from, at extremely low prices; practical men sent to all parts; estimates free. Matthews, Chemists' Fitter, 14 & 16 Manchester Street, Liverpool; Works: 9 Preston Street. Telephone 6695.

THE GREAT AUSTRALIAN REMEDY.—The proprietrix of the Patent and Trade-mark Rights of the Great Australian Remedy for Catarrh, Influenza, and all Bronchial and Throat Affections, is desirous of disposing of these rights. The remedy has a wonderful reputation in Australia, especially in New South Wales, where it enjoys a good sale purely by recommendatian. Full particulars will be given to any inquirer with a view to purchase. The speciality is one which might be worked up in Great Britain into magnificent returns, as Australian singers consider it invalnable. 6/7, Office of this Paper.

CHEMISTS' Shop Fittings.—Complete set for Branch or beginner—12-ft. run of mahogany-fronted Drug drawers, lockers, shelving, and cornice; 6-ft. handsome mirror centre Dispensing-screen, with counter and sponge-case under; 10-ft. mahogany and plate-glass serving-counter, with nest of counter-drawers under; 6-ft. wall show-case, with mahogany-top recess; mahogany desk and perfume case; 5-ft. bent plate-glass counter-case, with mahogany display and serving shelves; all in excellent condition and ready for use; 50 guineas complete. Philip Josephs & Son, 54 Old Street, London, E.C.

APOLOGY.

TO WILLIAM PROCTOR, Chemist, 7 New Bridge Street, Newcastle. Sir, we hereby admit that we have infringed your rights in your Pine Lyptus Pastilles (Broncho-Laryngeal) by having sold an imitation thereof. We therefore hereby apologise to you for having done so. In consideration of you withdrawing your action against us for an injunction, damages, &c., we undertake not in future to sell, supply, pass off, or assist in selling, supplying, or passing off any Pastilles in substitution of yours. We also undertake to pay the costs of such action. We further agree to give up or destroy all Pastilles, Boxes, Circulars, and Labels relating thereto. We also agree to advertise this apology and pay the costs of insertion. Yours truly, J. B. Harrison & Co., 19 Coronation Street, and Hartley Pharmacy, Hartley's Buildings, Sunderland.

ROUSE'S DICTIONARY OF SYNONYMS.

FOR the Use of Chemists, their Assistants, and Apprentices. Contains between 4,000 and 5,000 references. The most complete work of its kind; clears up doubtful and obscure points; prevents mistakes; safeguards against accidents; invaluable at the Dispensing and Retail Counters. Price 1s., post free, from the compilers, Rouse Bros., 61 Charlotte Street, London, W., or through any Druggists' Sundriesman.

No Pharmacy complete without it.

STIRLING'S MINOR AIDS.

(Descriptive List post free on request.)

Organic Materia Medica. In accord with B.P., 1898, and New Minor Schedule, 1899. Much enlarged. Price 1s. 9d.; in cloth boards, 2s.
Notes on Dispensing. Pocket Edition. Interleaved for MS. notes. 1s. 6d.
Pharmaceutical Latin and Prescription Reading; with Key. 1s. 6d.
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Botanical Companion, and How to Describe a Plant. 6d.
Equations and Formulæ. An aid to Equation Writing. 1s.
Synopsis of Doses, Strengths, &c., of B.P., 1898. Pocket edition. Price 6d.; in limp cloth, 9d.

All post free throughout the world.

JOHN GOWER, Publisher, Waterloo, LIVERPOOL.

"THE CHEMIST & DRUGGIST"

For MAY 20, 1899.

SUMMARY OF CONTENTS.

FURTHER COMMENTS BY DOCTORS on the spheres of physician and pharmacist are referred to.

TRADE WITH EGYPT is worth the careful attention of British houses. Facts about it are given.

A MARKET-QUACK'S SPEECH is reported. It is instructive to those who despair of "pharmacy proper."

A CHEMIST has to pay 5*l.* damages for a supposed error on the part of his son in giving some other oil for castor oil.

A DRUG COMPANY at Hull have been fined under the Pharmacy Act for labelling laudanum with a label bearing the whole of their addresses, and not specifying the particular shop where the laudanum was sold.

THE MARKETS are very quiet this week, and of the few alterations reported the chief is in citric acid. Our Yokohama correspondent sends a long letter, including a statement of Japanese exports and imports for the first quarter of this year.

OUR REPORT of the discussion in the Standing Committee of the House of Commons on the question of invoices as warranties under the Sale of Food and Drugs Act is completed from last week, and we comment on the important change in the law which this clause will make if enacted.

THE ANNUAL MEETING of the Pharmaceutical Society is fully reported in this issue. The Council decided beforehand that Mr. Glyn-Jones's motion regarding dispensing in doctors' surgeries should not be put, and a modified one which he submitted was defeated with the assistance of the Council.

THE VICE-PRESIDENT of the Council, in reply to a second question from Major Rasch on the unqualified-dispenser question, explains that the Privy Council considers that accidents resulting from incompetent dispensing in surgeries are rare because of the infrequency with which such cases are reported to them. *Truth* also returns to the subject.

NEW POISON-REGULATION IDEAS are figured.

THE VALENTINE MEAT-PREPARATIONS' DISPU unfinished.

AN OLD EXAMINER sends us some strange sto pharmaceutical candidates.

MR. E. DOWZARD thinks that the B.P. is inco regard to many of its tests, especially for oils.

FIFTEEN ENGLISH PATENTS are epitomised. on matters chemists and druggists should look to.

MR. W. H. BRAZIER reports that some samp "best saffron" contain excessive amounts of alkali

THE DEVELOPMENT of Messrs. Ayrton & sundries business is illustrated by sketches of premises.

AT ST. HELENS on May 13 about 150 tons of chlorate exploded, causing fearful damage, pictures are given.

SOMERSET HOUSE CHEMISTS have given their a Holloway oil-of-juniper case against the chemi who has been fined.

JALAP is supposed to have been stronger in res to thirty years ago. A note by Mr. C. E. Sage, de an old sample, shows that this was not invariably

THE PHARMACEUTICAL COUNCILLORS elected day are Messrs. Carteighe, Young, Harringt Harrison, Glyn-Jones, and Southall. Mr. Bottle is unseated old member.

THE SPEAKERS at the Pharmaceutical Societ were the President, Vice-President, Sir W. B. Fo Sheriff Probyn, Dr. Church, Professor M. Foster, D Dyer, and Sir J. C. Browne. Portraits of these are given in our report.

SUBSCRIPTION ORDER FORM.

Subscription, 10s. a year, commencing from the first issue of any month. Not entered for less than a year. Sin Copies, 4d. each; Summer and Winter Issues 1s. each Post free.

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FOR DISPOSAL.

APPARATUS.

Dental [illegible]eps, nickel-plated (7), complete set in leather case, new, Maw's; offers W., 48 King Square, E.C.

Copper [illegible]ttle with spirit-lamp, perfect order; also electrical-machine. ROBB, 118 Fenchurch Street, London.

For sale, [illegible]eap, assortment of chemical apparatus, stoppered bottles, &c.; suit c[illegible]nical student. Apply, 11 Lascott's Road, Bowes Park, N.

Aërated [illegible]vater plant complete, thorough working order, 300 doz. day; also s[illegible]es (counter and dispensing), pill-machines, &c.; removed from bran[illegible] WHYTE, Elgin, N.B.

Tooth-f[illegible]**ceps,** R. and L. upper-molars, lower-molar, upper-stumps, cost 20*s.*, [illegible]ce 10*s.*; Simpson's midwifery-forceps, cost 21*s.*, price 10*s.* 6*d.*; singl[illegible]stethoscope, 2*s.*; all good as new. MRS. DOUGLAS, 1 Railway Stree[illegible]Horseley Heath, Staffs.

Stock-s[illegible]**ed** pill-machine, 18 5-gr., marble, 6*s.*; table powder-folder, 1*s.* 6[illegible] stethoscopes, plain 9*d.*, ivory centres and ends 1*s.* 3*d.*; plated vag[illegible] speculums, 2 blade 3*s.*, 3 blade 4*s.*, 4 blade 5*s.*; introducers, 1*s.* Send[illegible]r list of other goods, PHILLIPS, 172 Harringay Road, West Gree[illegible]Tottenham, London.

BOOKS AND PERIODICALS.

"Pharm[illegible]**ceutical Journal,"** 1888 to 1898; cash offers. WOODWARD, Nort[illegible]nd, Uttoxeter.

"Pharm[illegible]**ceutical Journals"** from 1878 or earlier; offers wanted. GEO. PECK, Baldock.

Sale or [illegible]change, several years' *Pharmaceutical Journal*, unbound. CLA[illegible], Chemist, Chepstow.

Offers.—[illegible]verett's "Physics," Scott's "Botany" (2 vols.), Perkin & Kip[illegible]g's "Organic Chemistry" (2 vols.), Green's "Botany" (2 vols.), Will[illegible] 10*s.* 6*d.* "Materia Medica" with coloured plates, Maisch's ditto, Mu[illegible] 6*s.* 6*d.* "Chemistry," Lucas's "Pharmacy," Gerrard's "Materia Med[illegible]"; latest editions, equal to new. DAVIES, 4 Arbour Street, Sout[illegible]ort.

Jago's, [illegible]nt's, Turpin's, Valentine's "Inorganic," 1*s.* 3*d.* each; Clowes, Cole[illegible]n's, 1*s.* 6*d.*; Roscoe's "Elementary," 2*s.*; McNab's "Botany," 9*d.*; [illegible]seph Oliver's, 1*s.*; Prantl, Vine's, 3*s.* 6*d.*; Thome's, 2*s.* 6*d.*; Wi[illegible] "Flowers, Fruits," 2*s.* 6*d.*; Southall's latest, 3*s.* 6*d.*; all excel-[illegible] lea[illegible]ondition; modern editions; post free. GOWER, Publisher, Wa[illegible]oo, Liverpool.

"Pharmaceutical Journal," vols. 5, 6, 7, 8, 9, 10 and 11, in good condition, well bound half-leather; *The Year-book of Pharmacy*, bound in green cloth, 1874, 1875, 1876, 1877, 1878 and 1886; *Chemist and Druggist*, 1886 (in green cloth), 1887 and 6 months of 1888, the last 3 vols half-leather; 7 vols. "Cattle Medicine," Attfield's "Chemistry," "Medicine," &c. 142/33, Office of this Paper.

DRUGS AND CHEMICALS.

8 lbs. emp. roborans; about 18 lbs. ol. pini sylvestris (old); exchange tooth-brush case, or cash. HARRISON, Reading.

What offers? ½ lb. liq. opii sed. (Bottley), 1 oz. apomorphia mur. (Morson's), 1 oz. pepsine porci (Morson's), 4 1 oz. aristol, 1 oz. chloral-amid, 6 1 oz. ductal, 4 oz. nepenthe (Ferris), 8 oz. liq. caulophyllin et pulzatillæ co. dispensing (Oppenheimer), ½ oz. sulph. atropine, 1 oz. phenazone, 2 ⅛ oz. coc. hydr. (McK. & R.), ½ lb. alethris cordial, 6 oz. morph. mur. pur., oz. coc. mur. pur., 3 1*s.* 6*d.* Bird's essence. 148/14, Office of this Paper.

FORMULÆ.

Special recipe.—Furniture-polish; beautiful inseparable cream; contains no soap; does not finger-mark; cheap, 1*s.* 6*d.* NEWTON, 52 Wharton Street, London, W.C.

OPTICAL AND PHOTOGRAPHIC.

Seven dozen microscope slides, 2*s.* 3*d.* dozen, 12*s.* lot; approval. LINTIN, 170 Freedom Road, Sheffield.

Lancaster's ½-plate camera, faultless condition, instantaneous shutter, stand, box for negatives; offers. 147/23, Office of this Paper.

Microscope, splendid condition (by Steward, Strand), in mahogany case, ½, ¼ and ⅛ in. objectives; cost £12 12*s.*; what offers? DAVIES, 4 Arbour Street, Southport.

Spectacles (Laurance's) for sale, 24 at 1*s.*, 24 at 3*s.* 6*d.*; folders, 24 at 5*s.* 6*d.*, 24 at 3*s.* 6*d.*; 70 per cent. off for cash, carriage paid. H. BROWN, 107 Mansfield Road, Nottingham.

No. 2 bull's-eye Kodak, quite new, never been used, 20*s.*; also ½-plate camera, with R.R. lens and all latest improvements, 3 double-dark slides, waterproof bag, and 3-fold ash stand. WOOLLON'S, 28 Kilburn Lane, W.

SHARES.

What offers. 1 Camwal share? 148/8, Office of this Paper.

100 Seigel 6 % preference shares; next dividend due July 1st; price 15*s.* each. A., 12 Eltham Road, Lee, Kent.

Exchange Column—Bargains

CONTINUED.

PROPRIETARY ARTICLES.

2 gross 1*s.* Avenue gold, 4*s.* doz. VINCENT, 460 Holloway Road, N.

6 doz. unsoiled 1*s.* Daisies, overstocked; 2 pairs scales; what offers? 151/33, Office of this Paper.

Frog-in-Throat, 3 gross small at 55*s.* gross, carriage paid; overstocked. DIXON, Elswick Road, Newcastle.

Sale or exchange, 6 doz. Wilson's food, 4 doz. 1*s.* Daisies; wanted, mixing-machine, or offers. HEWITT, Chemist, Heeley.

Nine 2*s.* 9*d.*, 16 1*s.* 6*d.* White's coca wine; 6 3*s.* 6*d.*, 8 2*s.* meat-malt wine; half-price; relinquishing license. KIRKNESS, Paignton.

Santal Midy capsules, 4 doz., at 30*s.* a doz.; Carter's pills, 10 doz., at 10*s.* doz.; argent nit., 1 lb., at 23*s.* 147/39, Office of this Paper.

Dr. Williams' pink pills, 16 doz., unopened, 23*s.* 8*d.* per doz., post free; cash with order. HARRIES' DRUG STORES, Milford Haven.

Mellin's emulsion, surplus stock; offers for 1 3-doz. case 2*s.* 6*d.* size, 2 4-doz. cases 1*s.* 1½*d.* size; unopened. DODSLEY, Chemist, Burnley.

SHOP FITTINGS.

Shop-rounds, York Glass Co.'s recess-labels, all in perfect order. MACDONALD, Chemist, Inverness.

Oblong sponge-basket, 4 compartments, nearly new, cost 25*s.*, take 15*s.* JAMES, South Kensington Station.

I want £8 10*s.* for a revolving-top writing-table, 4 ft. 6 in. wide, cost me £16. A. H. SOLOMON, 7 Holland Road, W.

Drawers, counters, cases, shop-rounds, syrups, specie-jars, soda-water apparatus, &c.; list sent. HASSELBY, Chemist, Doncaster.

Bent-glass counter-case with display back, 3 ft. long, 8 in. high, and 18 in. deep, condition as new, as Maw's fig. 7; first reasonable offer accepted. POSTLETHWAITE, Chemist, Barrow-in-Furness.

Dispensing-counter, 7 ft. by 8½ ft.; perfume-case, 32 in. by 24 in.; serving-counter, 10 ft.; 2 2-gall. carboys; window-fixtures, solid mahogany, almost new, a bargain. HARLEY, Chemist, Perth.

Plate-glass wall-case mirror-cupboards under 10 ft. long, plate-glass bent perfume-case, counter, several wall-cases, plate-glass shelves, window-enclosures, large mirror. LAING, Boulevard, Balham, S.W.

For sale, cheap, 9-ft. chemist's mahogany wall-case; 7-ft. door-case (perfume); 9 rows glass shelves, mirror back and bent front; good as new. G. HUNT & Co., 49 and 51 Greengate Street, Plaistow, London, E.

Twelve 30 oz. blue syrup-bottles; 8 40-oz. wide-mouth shop-rounds; 17 20-oz. wide, 7 20-oz. narrow, all 6*d.* each; mahogany counter, £6; dispensing-screen, £6; wall-case, £6. BAINBRIDGE & FINLAYSON, Chemists, Stockton.

MISCELLANEOUS.

Umber (powdered), 3*s.* cwt., in barrels; room wanted. 479 Moseley Road, Birmingham.

2 doz. old upper and lower dental show-sets, cheap. "DENTIST," 12 Glasshouse Street, Piccadilly, London.

5 doz. each 1*s.* 6*d.* and 2*s.* 9*d.* Holloway's wine, carboys, jars, shop-rounds, and small stock; state requirements; cash or exchange. FLOYD & Co., Bury St. Edmund's.

25s. or offer (carriage paid), 10 gross ½-oz., 22 doz. 1-oz. corrugated lined parcels-post bottle-cases; plated dental "key" instrument, 3 claws, never used, what offers? BAGSHAW, Lawrence Hill, Bristol.

Edison-Bell standard phonograph, advertised at £6 6*s.*, quite new, and 50 good records; what offers for the lot? No. 4 regular Kodak, in splendid condition, complete with leather case; what offers? VINCENT, 460 Holloway Road, N.

100 reams of white paper, suitable for wrapping purposes, 33 by [illegible] in., 56 lbs. per ream (516 sheets), at 11*s.* 3*d.* per ream, carriage paid; sample sheet on application. Not less than 1 ream sold, and order to Publisher of this Paper.

6 doz. 1*s.* 1½*d.* Daisies, 8*s.* 6*d.* doz.; 6 doz. 1*s.* 1½*d.* Kaputine powder [illegible] 6*d.* doz. cash, carriage paid; 4 gross 4*d.* Peerless Erasmic soap, 2*s.* [illegible] doz.; 2 doz. 2-drachm graduated minim-measures, stamped, 7*d.* each [illegible] good stock. BECKETT, Drug Stores, Castleford.

Seven iron cisterns for sale, fitted with taps, holding-capacity as [illegible] boiled oil, about 110 galls.; colza oil, 160 galls., 166 galls., 6 [illegible] linseed oil, 150 galls.; seal oil, 50 galls.; train oil, 70 galls.; [illegible] stillages; what offers? FRANCIS & Co., Chemists, Wrexham.

Quantity 12-oz. cardboard bottle-cases, 1*s.* 6*d.* gross; 5-grain. [illegible] pill-machine, cut 24, 7*s.* 6*d.*; velvet-lined case, hold 15 pal[illegible] forceps, and 6 lances, dental-syringe (new), 5 pairs forceps, 10*s.* [illegible] 2 1-gall. carboys, cut stoppers, 5*s.* 6*d.*; wanted, 60-grain supp[illegible] mould. 146/18, Office of this Paper.

Bargains.—Merritt typewriter, 25*s.*; No. 3 Junior Kodak, plate [illegible] ment, 2 leather cases, practically new, £10 9*s.* 6*d.*, for £6 15*s.* [illegible] Frena camera and case, very little used, no films, £2; "Lev[illegible]" stereoscopic hand-camera, new condition, £3 5*s.*, for £2; No. [illegible] hand-camera, case and roll holder, splendid instrument, new, [illegible] for £6; Lancaster's watch-camera, 3 metal slides, perfect, a [illegible] 16*s.* WRIGHT, Burnley.

Complete pharmacy fittings for sale, including specie-jars; [illegible] with mahogany stands; range of 150 dovetailed drawers, [illegible] fronts, glass knobs; nest 15 drawers, mahogany fronted; [illegible] drawers, painted fronts; 2 counters, mahogany tops, glazed [illegible] drawers at back; bent tooth-brush case; dispensing-count[illegible] marble slab to front, centre has sponge-case, with 2 racks; [illegible] plate; 13 drawers; sink and water supply. FRANCIS & Co., [illegible] Wrexham.

WANTED.

Tooth-brush case. HARRISON, Reading.

Camwal shares. State lowest price, 149/40, Office of this Paper.

Seigel ordinary shares. State price to 149/39, Office of this Paper.

Large mortar and pestle; not marble. 151/34, Office of this Pap[illegible]

Camwal shares. State lowest cash price, H. S., 311 Stanley Road, [illegible]

Chemical balance, not expensive; also bent counter-case. J[illegible] Lowestoft.

Camwal shares. State lowest price to DR. EGERTON, 80 Hy[illegible] Road, Leeds.

"Chemist and Druggist Directory," 1896. Lowest pric[illegible] 19 Ludgate Hill.

Second-hand dental-chair, also table; must be cheap. Apply [illegible] Office of this Paper.

Old electric lamps and scrap platinum. P. ROWSELL, 9 Derwent [illegible] East Dulwich, London.

A set of narrow-mouthed and wide-mouthed shop-rounds; must b[illegible] 9/52, Office of this Paper.

A Bradford's barrel mixing-machine or other make. M.P.S., [illegible] way, Norwood Road, S.E.

Scales or balance, in good condition, sensitive to 1 milligram. D[illegible] Erdington Hall, Gravelly Hill, Birmingham.

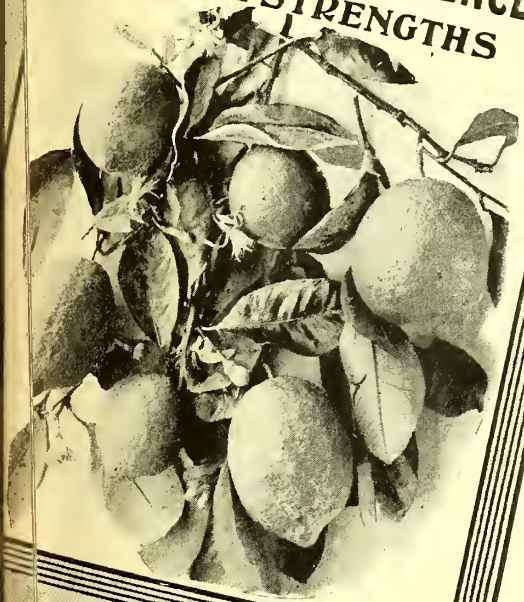
Perfume-case, 24 in. long, 14 in. deep, 36 in. high; counter-dra[illegible] paper, &c., 4 ft. long, 2 ft. 9 in. high. Send particulars, O[illegible] Chemist, Wolverhampton.

Second-hand, cheap, a good ¼-plate stand-camera and outfit fo[illegible] must have R.R. lens, and one with Iris diaphragm preferred. S[illegible] particulars and state lowest price to "CAMERA" (145/19), Offic[illegible] Paper.

Printed by SPOTTISWOODE & Co., New-street Square; and Published at the Office, 42 Cannon Street, in the City of London.—May 20, 18[illegible]

Stevenson & Howell Ltd

Highly Concentrated
SOLUBLE LEMON ESSENCES
OF ALL STRENGTHS



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FOR CUSTARD POWDERS

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SIX GOLD MEDALS.

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GUARANTEED FREE
FROM ANY ADDED ACIDS.

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Licensed Compounders of Spirits, &c., in Bond to the Trade,

130 SOUTHWARK STREET, LONDON, S.E.

English Tinctures and Spirits in bond.

Made in our London Laboratories from pure Grain Spirit and Standardised Drugs.

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Ext: Nucis Vom: Liq: P.B.
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We beg to confirm our previous statements to their FULLEST extent.

We again draw the special attention of all Consumers to our

SACCHARIN "Tigress Brand," **555** times SWEETER than Sugar.

THE PUREST, THE SWEETEST, THE CHEAPEST PRODUCT IN THE MARKET.

MANUFACTURED BY PROCESSES DIFFERING FROM ANY OTHER, WHETHER PATENTED OR NOT.

STRENGTHS SUPPLIED: 555 (purest), 475 and 440 (crystals and "soluble") 350, 30, and 300 (pure and "soluble").

WE DEFY ANY COMPETITION BOTH FOR PRICE AND QUALITY.
EVERY GUARANTEE CHEERFULLY GRANTED.

Special Prices and Terms for Contracts extending over a certain period.
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PATENT SPECIALITIES

EUCASIN. The best Dietetic, containing 95 per cent. Casein. The most nourishing and strengthening food.

GUAIACETIN. The latest and most approved remedy for Tuberculosis. Combines the properties of Carbonate of Guaiacol and Carbonate of Creosote in a much higher degree without any of their drawbacks.

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APPLY FOR SAMPLES AND LITERATURE.

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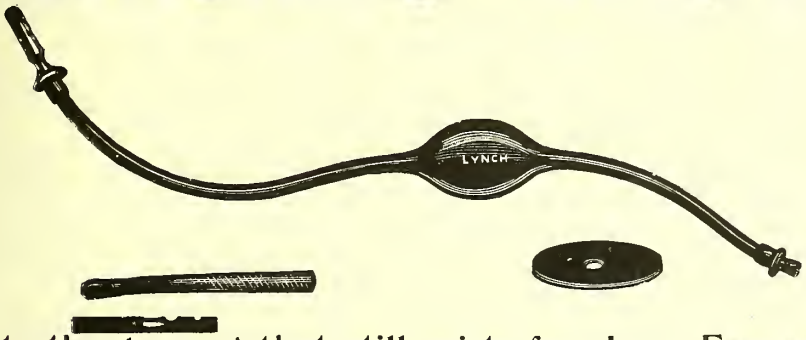

Owing to the demand that still exists for cheap Enemas, we have ha one of the Seamless Pattern specially prepared for our trade, ma e from rubber of good quality and ***vulcanized.*** The advantages of ulcanized Rubber over all other kinds will be obvious to all who ha dle these goods, one very important point being that it will not go ard in cold weather.

Black, Highly Polished, with Bone Rectum Tube, Elastic Gum Vaginal Pipe, and Shield, complete, in Oval Card Box,

17s. per dozen net.

Same as above, but in Grey Rubber, complete,

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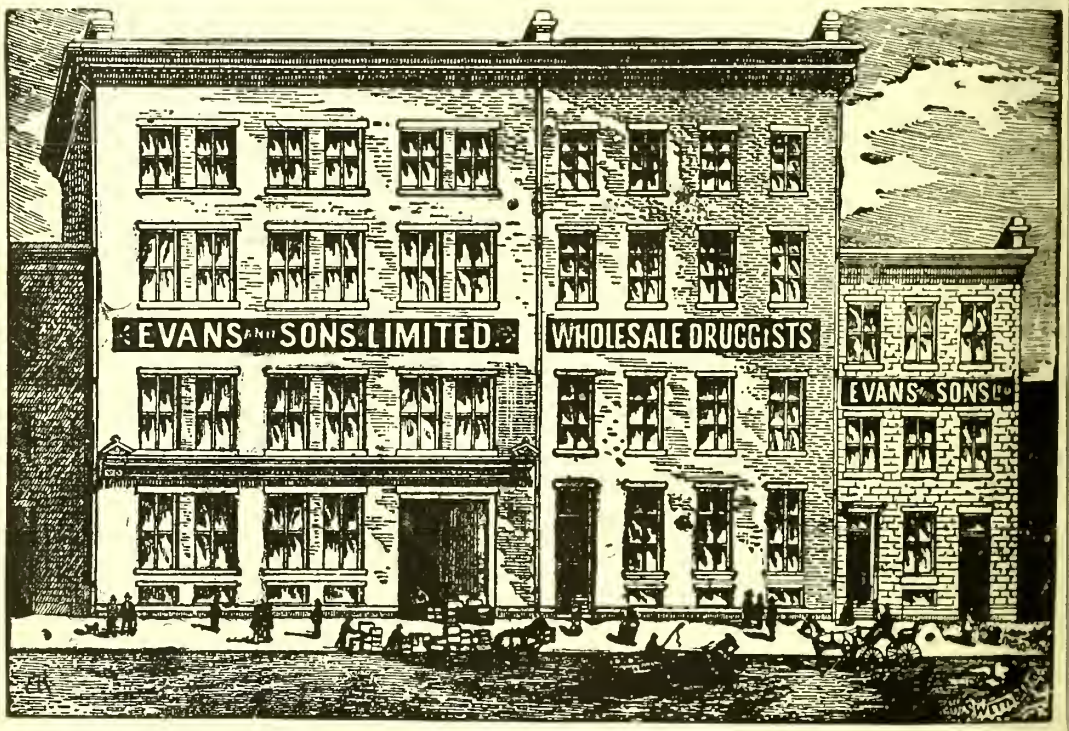

EVANS and SONS (Limited) carry complete Stock of DRUGS, CHEMICALS, PHARMACEUTICAL PREPARATIONS, DRUGGISTS' SUNDRIES, &c., both at Montreal and Toronto, and, by means of no less than 14 Representatives, completely cover the whole of the Dominion of Canada.

Being in constant touch with Liverpool and London Houses, they are in command of earliest information. Can also offer special facilities for introducing any Novelties in Canada or United States.

P.S.—EVANS and SONS (Limited) opened on May 1 an Office at 133 William Street, New York, and can undertake Agencies for articles of interest to the Drug Trade.

Liverpool :
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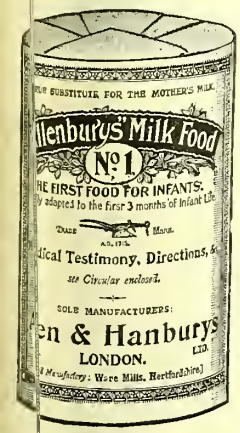
EVANS, LESCHER & WEBB.

The "Allenburys" Foods.

A RATIONAL DIETARY FOR INFANTS.



This series of Food has been designed to supply for the first time a need in the rational dietary of infants fed by hand. None of the substitutes for mother's milk have hitherto been physiologically accurate. Especially is this so with the diluted cow's milk given usually in the earlier days of infant life.

Cow's milk contains an excess of the constituents (casein) which curdle in the infant's stomach, and a deficiency in sugar. Condensed milk, on the other hand, contains an excess of sugar, but a decided deficiency in fat; and a slight deficiency in casein. We have therefore endeavoured successfully to produce two complete Foods which are, physiologically, practically the same as the Mother's Milk.

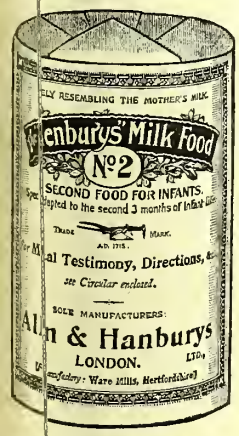
The "Allenburys" Milk Food. No. 1

The First Food for Infants. Specially adapted to the first three months of Infant Life.

This food is the result of very careful study of the requirements of young infants and the capabilities of their digestive organs, and will be found the best substitute for the mother's milk when this is wanting or deficient, being much more readily digested and assimilated than cow's milk.

It is made at Allen & Hanburys' food manufactory in the country from fresh and carefully tested cow's milk; the excess of casein is removed, and sufficient cream, albumen, and milk sugar added to bring all the constituents to the same relative proportions as in human milk. The method of preparation renders this food sterile, and boiled water alone is required in preparing it for use.

It is entirely free from the serious objections pertaining to most infants' food when administered at a very early age.



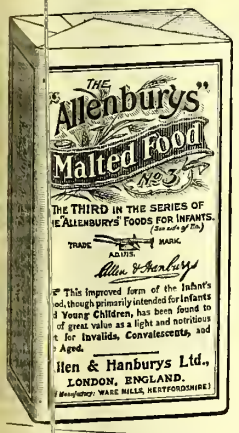
The "Allenburys" Milk Food. No. 2

The Second Food for Infants. Specially adapted to the second three months of Infant Life.

The "Allenburys" Milk Food No. 2 contains all the elements of human milk in their true natural proportions. To these is added a small proportion of the soluble product of the action of malt upon wheat, whereby the nutritive value of the food is increased and a slight stimulus afforded to the digestive organs of the growing infant.

This food is absolutely free from starch in the unaltered condition which renders most of the "Food for Infants" so seriously injurious in many cases when given to those under six months of age. It is also free from any excess of casein which forms curds, whilst that present is so acted on by the malt during the process of manufacture as to be readily digested, and will not give rise to the clots so often thrown up by infants when fed upon milk, even though diluted.

Experience has shown conclusively that after six months the infant can be most advantageously reared on



The "Allenburys" Malted Food. No. 3

The Third Food for Infants. For children of five months of age and upwards.

This has been manufactured by us for many years, suggested by the formula of LIEBIG. The basis of the food is fine wheaten flour rich in nitrogen, with this advantage—that a large proportion, but not all the starch, is converted by the action of Malt Extract. The proportions are so arranged that the infant economy is not paralysed, as with some foods, by having everything assimilated for it, while on the other hand it is not given too much starch to digest. This food can be most successfully given when the mother's milk is beginning to fail both in quantity and richness, without the child being actually weaned. In this way a gradual transition can be effected from the natural to the full use of the artificial food.

It has been found already that this series of desiccated foods have proved invaluable on board ship, especially in the case when children have to be taken at an early age to India. Owing to their careful preparation the foods keep well in hot climates, and the infant is shielded from the risk of bacterial infections by polluted milk. All risk is removed if only the water used be sterilised by well boiling.

Full directions are given explicitly in ounces.

Allen & Hanburys Ltd., Plough Court, Lombard Street, London.

Food Manufactory: WARE MILLS, HERTFORDSHIRE.

PRICE LIST AND DESCRIPTIVE PAMPHLET ON APPLICATION TO

82 WARREN STREET, NEW YORK.

Canadian Agency: W. LLOYD WOOD, TORONTO.

The "Allenburys" Throat Pastilles.

SOFT. DEMULCENT. PALATABLE.

The accumulated experience of many physicians, extending over a long period, has enabled ALLEN & HANBURYS to acquire an unrivalled list of formulæ, from which upwards of fifty varieties of Throat Pastilles are compounded. They are all founded on the prescriptions of Throat Specialists, and the great demand for them is the best evidence of their efficacy. Each variety has a specific number, by which it can be quickly and easily designated.

The Pastilles are rounded in form and soft in material. They are thus less irritating to the mucous membrane and more demulcent than the ordinary hard angular lozenge. Their base is a special Pâte de Jujube, readily soluble and very palatable.

These Pastilles are put up in flat metal boxes, with rounded corners, so that they may be conveniently carried in the waistcoat pocket.

Long experience has shown the following kinds to be the more generally useful and frequently prescribed. Particularly are to be mentioned those which are found useful in chronic conditions of congested and irritable throat, arising from the habit of imbibing iced drinks during the hot dry season, as well as from cold winds and other causes.

One great feature about these Pastilles is that during hot weather they *do not* become *soft and sticky*, but *preserve their surface* and *colour* perfectly.

For various conditions of the Throat the following **Medicated Pastilles** *find great favour:—*

No. 2. **Ipecacuanha.** Readily taken by children. These Pastilles are of the same strength as the Lozenges of the British Pharmacopœia, ¼ grain.

„ 3. **Morphia and Ipecacuanha.** (1-40th grain Morphia and ¼ grain Ipecacuanha.)

„ 10. **Benzoated Voice.** Useful to public speakers and singers as a slight stimulant to the vocal organs and to remove huskiness.

„ 11. **Chlorate of Potash.** A more agreeable form than the Lozenge of the Pharmacopœia.

„ 14. **Tannin.** Astringent, and of the same strength as the Tannic Acid Lozenges of the British Pharmacopœia.

„ 17. **Chlorate of Potash and Borax.** One grain of each. Useful in sore and relaxed conditions of the throat and mouth.

„ 22. **Red Gum.** Astringent in relaxed throat.

„ 23. **Eucalyptus (Gum 1 gr. and Oil ½ min).** Antiseptic, stimulant, and astringent.

„ 24. **Cocaine.** 1-20th grain. Sedative to the mucous membrane.

„ 24a. **Cocaine.** 1-10th grain in each.

No. 27. **Compound Eucalyptus.** (Red Gum, Chlorate of Potash, and Cubebs.) Useful in relieving Clergymen's sore throat.

„ 29. **Compound Rhatany and Cocaine.** (Extract of Rhatany, gr. ii; Cocaine Hydrochlor., grain 1-10.) A very efficacious astringent and anodyne.

„ 32. **Red Gum and Chlorate of Potash.** Astringent.

„ 38. **Chlorate of Potash, Borax, and Cocaine.** (2 grains Chlorate of Potash, 1 grain Borax, 1-20th grain Cocaine.)

„ 41. **Eucalyptus Oil.** Antiseptic and stimulant.

„ 43. **Menthol.** (1-20th grain in each). Stimulant and antiseptic.

„ 43a. **Menthol.** 1-10th grain in each.

„ 44. **Menthol and Cocaine.** (1-20th grain Menthol and 1-20th grain Cocaine in each.) Stimulant, antiseptic, and sedative.

„ 48. **Tannin, Cayenne, and Black Currant.** Astringent, stimulant, and soothing.

„ 52. **Tannin and Black Currant.** Astringent and soothing.

The "Allenburys" Glycerine Pastilles.

In simple conditions the "ALLENBURYS" GLYCERINE PASTILLES supply a soothing demulcent to the irritable throat and larynx, and are unsurpassed in delicacy of flavour. They have for many years past been the most popular Jujube sold in Great Britain.

Manufactured from pure materials, and under scrupulously cleanly conditions, they excel all others in *delicacy of flavour, permanent softness, transparency, brilliant surface, and absence of all clamminess in the mouth.*

The "Allenburys" Glycerine and Black Currant Pastilles

Are made from the *fresh juice*, and afford a delicious and slightly acidulated Jujube, possessing the full flavour of this popular fruit. An excellent demulcent.

The "Allenburys" Voice Pastilles,

containing Capsicum, are invaluable as a simple stimulant to the throat.

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Ltd.,

Wholesale and Export Druggists, Manufacturing and Pharmaceutical Chemists,

TRADE MARK. A.D. 1715

London, England.

Bynol. The "Perfected" Malt and Oil.

Represents the best pharmaceutical methods for enabling Cod-liver Oil to be easily taken and readily digested. BYNOL is an intimate combination of ALLEN & HANBURYS' Malt Extract and Cod-liver Oil of their own manufacture.

The LANCET writes:—"'Bynol' is one of the compounds or solutions of Malt Extract and Cod-liver Oil which are now so deservedly popular. Globules of Oil cannot be distinguished. . . . . We believe that 'Bynol' will be taken and digested by many who cannot assimilate Cod-liver Oil."

The "Perfected" Cod Liver Oil.

Manufactured by ALLEN & HANBURYS' own workmen at their factories in Lofoden and Kjerstad, Norway, where only *perfectly fresh* and *carefully selected* livers are used—points of the highest importance. It is prepared by a special and distinct process, whereby all unpleasant qualities are eliminated without impairing in the smallest degree its invaluable medicinal and nutritive properties.

It is absolutely pure, nothing being added, or needed, to disguise any disagreeable smell or flavour.

It possesses to the full all the qualities as food and as medicine which render Cod-liver Oil invaluable.

It can be borne and digested without inconvenience by the most delicate, being the *only* oil which does not "repeat," and is, for the above reasons, *the most efficacious kind in use.*

"Tasteless" Castor Oil.

A *pure* Castor Oil of full medicinal activity, yet absolutely *free from odour* and *unpleasant taste.*

THE CHEMIST AND DRUGGIST writes:—"By producing a tasteless and odourless Castor Oil, Messrs. ALLEN & HANBURYS may be congratulated on having achieved a really notable triumph. Their product certainly has no trace of odour, and it is as free from taste as pure olive or almond oil."

Allen & Hanburys Ltd., Plough Court, Lombard Street, London.

Works: BETHNAL GREEN, LONDON, E.

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Druggists' Sundries
Of all kinds.

Patent Medicines,
British and Foreign.

Sole Proprietors of the New Liquid EVER READY GLUE,

CENTRAL DEPÔT
FOR
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DEVELOPING DISHES,
MOUNTS,
AND
PHOTOGRAPHIC SUNDRIES
IN CONSTANT DEMAND.

"DIAMOND FAVORITE,"
"FARRINGDON,"
"KODAK,"
AND OTHER
CAMERAS.

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Mills & Son (Ruthin)
Idris & Co., Lim.
Ingram & Royle, Lim.
Jewsbury & Brown
Kronthal Water Co., Lim.
Mills & Co. (Bourne)
Roebach Springs, Lim.
Salutaris Water Co.
Smith, W. E., & Co.
Whitwill, Mark, Son & Judge

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Bertie-Smith & Co.
Tyler, Hayward & Co.

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Smith & Sons
Smyth, A., & Cie. (Paris Exhibition)
Taylor & Colledge

AMMONIA
Gas Light and Coke Co.
May & Baker, Lim.
Sorubb & Co.
White, A., & Sons

ANNATTO
Crawshaw, E., & Co.
Fullwood, R. J., & Bland

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Bennett, Sons & Shears
Berend, O., & Co.
Brewster, Smith & Co.
Southall Bros. & Barclay
Woolley, J. Sons & Co.

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Tidman & Son, Lim. (Sea Salt)

BEESWAX
Beeswax Co., Lim.
Bowdlear, W. H., & Co.
Evans, Sons & Co.
Leonhard, T.
Lüneburger Wachsbleiche

BICARB. SODA
Brunner, Mond & Co., Lim.
Howards & Sons
May & Baker, Lim.

BISMUTH PREP.
Hewlett & Sons
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.
White, Alfred, & Son

BOOKS, &c.
Churchill, J. & A.
Muter's, Dr., Anal. Chem.
Squire's "Companion"
Wilson, Effingham

BOTTLES, POTS, &c.
Ayrton & Saunders
Barnett & Foster
Barrett, R. H.
Breffits, Lim
Gilbertson, H., & Sons, Lim.
Hearns, Lim.
Isaacs & Co.
Kilner Bros.
Lynch & Co., Lim.
Maw, S., Son & Thompson
Potts, H., & Co.
Stipendum Stopper Co., Lim
Toogood, W.
Youldon, E.

BOXES
Austin & Co. (Cardboard)
Evans, Sons & Co.
Glover, C. H., & Co.
Kent, G. B., & Son
Robinson & Sons
Tinplate Decorating Co.

BRUSHES
Evans, Sons & Co.
Hovenden & Sons
Kent, G. B., & Sons
Wimpory, E.

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Berend & Co.

BUTTER COLOUR, &c.
Allison, Johnson & Foster, Lim.
Crawshaw E & Co.
Fullwood, R. J., & Bland

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Allen & Hanburys, Lim.
Bleasdale & Co., Lim.
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Jackson, T.
Lloyd, T. H., & Co.
Raimes & Co.
Warrick Bros.

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Christy, T., & Co
Cooper & Co.
Sangers, J., & Son

CAMPHOR
Howards & Sons
May & Baker, Lim.

CAPSULES
Allen & Hanburys, Lim.
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Ferber, R., & Co.
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Mason, C. E., & Co.
Warrick Bros.

CARBOLIC ACID
Calvert & Co.
Gas Light and Coke Co.
Stevenson, H. E., & Co

CARBONIC ACID GAS
Carbonic Acid Gas Co.

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Singer Cycle Co., Lim.

CASCARA SAGRADA
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Evans, Lescher & Webb
Ferris & Co.
Galen Manufact'ing Co., Lim.
Harker, Stagg & Morgan
Parke, Davis & Co.

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Hull Oil Mfg Co., Lim.
United British Castor Oil Co., Lim.

CHALK, PRECIP.
Levermore, Aug., & Co.

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British Machine Co., Lim.
O'Brien, T.
Paragon Check Books

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Boehm, Fredk.
Boehringer, C. F., & Sohne
Brunner, Mond & Co., Lim.
Burgoyne, Burbidges & Co.
Davy, Hill & Son, Yates & Hicks
Evans, Lescher & Webb
Evans, Sons & Co.
Gas Light and Coke Co.
Goodall, Backhouse & Co.
Howards & Sons (Pharm.
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
May & Baker, Lim.
Sanitas Co., Lim.
Scottish Acid & Alkali Co., Ld.
Smith, B. A., & Co.
Smith, T. & H., & Co.
Stevenson, H. E., & Co.
Typke & King
Tyrer, T., & Co., Lim.
Voss, Walter, & Co.
Washington Chemical Co.
White, A., & Son

CHEST PROTECTORS
Liverpool Patent Lint Co.
Maw, S., Son & Thompson
Solport Bros.
Wood, Vincent

CHLORIDE OF LIME
Hebden, W. C.
Steele, J. C. & Co.

CHLORODYNE
Davenport (Browne's)

CHLOROFORM
Duncan, Flockhart & Co
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

COCA WINE
Burrough, J.
Evans, Lescher & Webb
French Hygienic Society
Holloway Wine Co., Lim.
Stephen Smith & Co., Lim. (Hall's)
Wilcox & Co., Lim.
Wright, Layman & Umney

COCAINE-HYDRO
Howards & Sons

COCOA & CHOCOLAT
Cadbury Bros.
Fry & Sons
Van Houten
Vi-Cocoa (Dr. Tibbles')

COD-LIVER OIL
Allen & Hanburys
Burroughs, Wellcome
Evans, Lescher & Webb
Evans, Sons & Co.
Goodall, Backhouse & Co.
Harker, Stagg & Morgan
Kemp & Son
Lofthouse & Saltmer
Randall & Son
Smith, T. & H., & Co.
Spratt's Patent (Dog Cakes)
Scott's Emulsion
Southall Bros. & Barclay
Stevenson, H. E., & Co
Wilkinson & Simpson, Lim.
Wright, Layman & Umney

COLLAPSIBLE TUBES
Christy, T., & Co.
Marshalls, Lim.
Vigo, Jules, et Cie.

COMP. MEDICINES
Allen & Hanburys
Burroughs, Wellcome & Co.
Leo & Co.
Lloyd, T. Howard, & Co.
Parke, Davis & Co.
Wright, Layman & Umney

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Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Robinson B.

CONFECTIONERY
Dunhill & Co.
Gibson & Sons
Guest, T., & Co.
Hillabys, Lim.

CORKS
Ayrton & Saunders
Cork Co., Lim.
Ellis, W., & Co.
Ringrose & Cobb

CORN CURES
Gardner, C. | Potter & Clarke
Solport Bros.

CRUSHED LINSEED
Mumford, G. S.
Nell, R. & J.

DENTIFRICES, &c.
Beecham, T.
Beetham, T., & Son
Forster, G. G.
Hovenden & Sons
Jewsbury & Brown
Mason, C. E., & Co.
Ollapearl Co.
Stevens, P. A.
Sutton, O., & Co.
Woods, W. (Areca Nut)

DENTISTRY
Barker, F. H.
Fentiman, A. G.
Fentiman, A. J., & Co.
Macdonalds, Lim.
Riley, G.
Spencer & Son

DISINFECTANTS
Allison, Johnson & Foster, Lim.
Calvert, F. C., & Co.
Chinosol Hygienic Co., Lim.
Dussek Bros.
Fletcher Bros. & Co.
Hebden, W. C.
Kay Bros., Lim.
Kthn, B. (Chinosol, Kresochine)
Mackey, Mackey & Co.
Major & Co., Lim.
May & Baker, Lim.
Sanitas Co., Lim.
Steele, J. C., & Co.
Tomlinson & Hayward
Tyrer, T., & Co., Lim.
United Alkali Co., Lim.

DOG MEDICINES, &c.
Lloyd, T. Howard, & Co.
Naldire's Dog Soap
Spratt's Patent, Lim.

DRUGGISTS' SUNDRS.
Ayrton & Saunders
Barclay & Sons, Lim.
Benjamin, H. S.
Bleasdale & Co., Lim.
Burge, Warren & Ridley
Cooper, V. M.
Dalley & Wilkinson
Evans, Lescher & Webb
Evans, Sons & Co. (Savare)
Fordham, W. B., & Sons, Lim.
Gilbertson, H., & Sons, Lim.
Gillespie & Co.
Hovenden & Sons
Kay Bros., Lim.
Lorimer & Moyes
Marshalls, Lim.
Maw, S., Son, & Thompson
May, Roberts & Co.
Newbery, F., & Sons
Parkes, J., & Co.
Quelch, H. C.
Roberts & Sheppey
Sanger & Sons | Schutze & Co.
Smith, John H., & Co.
Solport Bros.
Southall Bros. & Barclay
Tidman & Son | Toogood, W.
Wood, Vincent
Woolf, E.

DRUG GRINDERS
Allen, S., & Sons

DRUGS
Allison, Johnson & Forster, Ld.
Bleasdale & Co., Lim.
Lofthouse & Saltmer
Oppenheimer, Son & Co.
Stevenson, H. E., & Co.
Wyley s, Lim.

DYES
Crawshaw, E., & Co.
Iteem Household Dye Co.

EMBROCATION
Day & Sons
Elliman, Sons & Co.
Harvey & Co.
Post, A. M., Lim.
Sanitas Co., Lim.

EAU DE COLOGNE
Farina, J. M.
Sainsbury, S.
Van Oppen & Co.

ENEMAS
Barclay & Sons, Lim.
Evans, Sons & Co.
Lynch & Co. Lim.
Sanger & Son | Wood, Vincent
Woolley, J., Sons & Co., Lim.

ESSENCES
Allen & Hanburys, Lim.
Barnett & Foster
Burgoyne, Burbidges & Co
Bush, W. J., & Co.
Delghton & Smith
Fletcher, Fletcher & Co.
Goodall, Backhouse & Co.
May & Baker, Lim
Newball & Mason
Stevenson & Howell
Woolley, Sons & Co.

ESSENTIAL OILS
Allen, S., & Sons
Barnett & Foster
Bush, W. J., & Co.
Essential Oil Importers and Exporters, Lim
Evans, Sons & Co.
Jakson, J., & Co.
Jeancard, Gasan & Dumin
London Essence Co.
May & Baker, Lim.
Poppelreuter, W.
Ransom, Wm., & Sons
Sanitas Co., Lim.
Sozio & Andrioli
Spurway & Cie.
Stevenson, H. E., & Co.
Stevenson & Howell
Treatt, R. C. | Warrick Bros.
Wilkinson & Simpson, Lim.
Wright, Layman & Umney

ETHER
Duncan, Flockhart & Co.
Howards & Sons
Macfarlan, J. F., & Co.
May & Baker, Lim.
Tyrer, T., & Co.
White, A., & Sons
Wright, Layman & Umney

EUCALYPTUS OIL
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Sanitas Co., Lim.
Sharland & Co.
Tasmanian Eucalyptus Oil Co

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Beaufoy & Co.
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EXTRACTS, FLUID
Allen & Hanburys
Allen, G., & Co.
Bleasdale & Co., Lim.
Burgoyne, Burbidges & Co.
Evans, Sons & Co.
Fletcher, Fletcher & Co.
Hearon, Squire & Francis
Lloyd, T. Howard, & Co.
Parke, Davis & Co.
Potter & Clarke
Ransom, W., & Son
Wilkinson & Simpson, Lim.
Wright, Layman & Umney

EXTRACTS, SOLID
Allen, G., & Co.
Ransom, W., & Son

EXTRACTS, VEGTBLE.
Fromms Extract Co.

FEEDING BOTTLES
Barclay & Sons, Lim.
Evans, Sons & Co.
Gilbertson, H., & Sons, Lim.
Hovenden & Sons
Kilner Bros.
Lynch & Co., Lim.
Marriott, E., & Co.
Maw, S., Son & Thompson
May, Roberts & Co.
Youldon, E.

FILTERS
Berkfeld Filter Co., Lim.
Mawson Filter Co.

FLY CATCHERS
Alabastine Co. (British), Lim.
Ford, Shapland & Co.
Kay Bros., Lim.
Marshalls, Lim.
Mather, W., Lim.
Newbery, F., & Son
Smith, J. H., & Co.
Strong, Christy
Tunbridge & Wright

FOOD (Infants' & Invalids')
Allen & Hanburys
Beanes, E., & Co.
Benger's Food
Bleasdale & Co., Lim.
Bovril, Lim. | Brand & Co.
Burgoyne, Burbidges & Co.
Coomb s Flour Co., Lim.
Frame Food Co.
Fromms Extract Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Liebig Co.
Mellin's Food
Milk Wine Co., Lim.
Nestlé, H.
Savory & Moore
Vi-Cocoa (Dr. Tibbles')

FOOD (for Plants)
Sharon Chemical Co., Lim.

GELATINES
Moggett, Saml., & Sons, [illegible]

GLUE
Barclay & Sons, Lim.
Brauer, A.

GLYCERINE
Fink & Co.
Haller, G., & Co.
Price's Candle Co., Lim

GRANULAR PREI
Bishop, A., & Sons
Evans, Gadd & Co.
Evans, Sons & Co.
Hearon, Squire & Fran
Lloyd, T. Howard, & Co
Lofthouse & Saltmer
Tyrer, T., & Co., Lim.
Wright, Layman & Um

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Chesebrough Co.
Edwards & Co.
"Erasmo" Toilet Co.
Hopgood's Hair Cream
Thielley, E. H.

HERB BEER EXT
Newball & Mason
Potter & Clarke

HOMŒOPATHIC
Epps, J., & Co.
Leath & Ross
Munyon's Remedies
Watson & Wates

HYPOPHOSPHIT.
Duncan, Flockhart & C
Fellows
Fletcher, Fletcher & C
Tyrer, T., & Co., Lim.

INHALERS
Krone & Sessemann
Lynch & Co., Lim.
Munyon's H. H. R. Co.

INSECTICIDES
Bleasdale, Lim.
Calabrese, J., & Co., Li
Fleming's Oil & Chem. Co. Lim.
Jackson, T.
Tunbridge & Wright

LANTERN SLID
York & Son

LAVENDER WA R
Sainsbury, S.

LEMON PEEL, &c
Southwell, C., & Co.

LIME JUICE, &c
Idris & Co., Lim.

LINT
Burgoyne, Borbidges [illegible]
Christy, T., & Co.
Liverpool Lint Co.
Maw, S., Son & Thomp
Newsome, C.
Robinson & Sons
Wood, Vincent

LIQUORICE
Dunhill & Co.
Evans, Gray & Hood ("[illegible]
Evans, Sons & Co. (Sa[illegible])
Hillabye, J.
Jeancard, Gasan & Du[illegible]

LIQUORS
Fletcher, Fletcher & C
Lloyd, T. Howard, & C
Oppenheimer, Son & C Lim.
Stevenson, H. E., & Co

LOOFAHS
Solport Bros.

LOZENGES, &c.
Allen & Hanburys
Denonal, J.
Gibson, E., & Sons (M[illegible])
Guest, T., & Co., Lim.
Jackson, T.
Proctor, W. (Pastilles)
Raimes & Co.
Warrick Bros.

LUNG PRESERV
Zimmer & Co.

MACHINERY
Bennett, Sons & Shea Lim.
Béra, G.
Fox, Fults & Co.
Gardner, W., & Sons
Melin, C.
Pinder, J. W.
Werner, Pfleiderer & [illegible]kins, Lim.

MAGNESIA
American Magnesia C
Bishop, A., & Sons, Ld
Bleasdale, W., & Co.
Henry, T. & W. (Calcl
Lloyd, T. Howard, &
Washington Chemica

MALT EXTRAC
Allen & Hanburys
Burroughs, Wellcome Co.
(Kepler's)
Distilleries Co., Lim.
Hearon, Squire & Fra
Parke, Davis & Co.
Price's Patent Candle Ld.
Raimes & Co.
Raimes, Clark & Co.
Robinson & Co.

MEDICINE CHE
Burroughs, Wellcome
Day, Son & Hewitt (Ve[illegible]nary
Day & Sons (Veterina

MARKING INKS
in Boud's Crystal Palace

MERCURIALS
wards & Sons
y & Baker, Lim.
rer, T., & Co., Lim.

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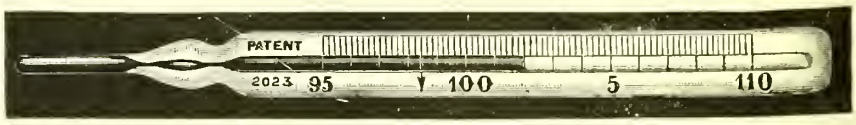

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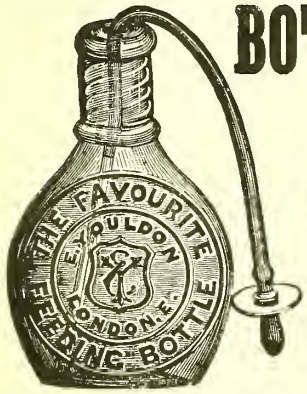

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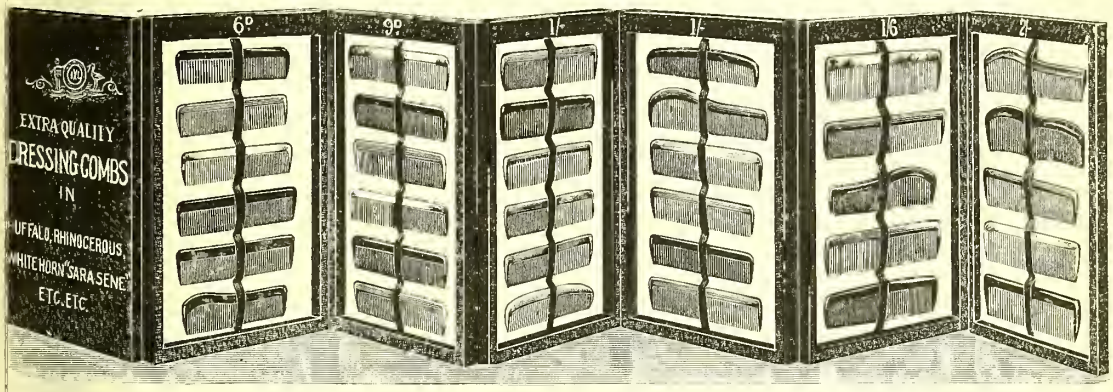

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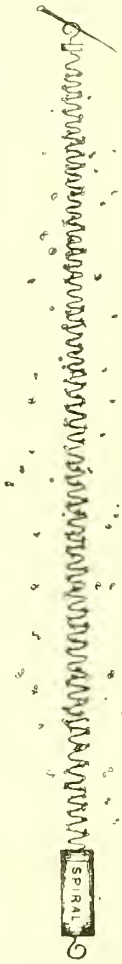

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A QUESTION OF PROFIT

HARRISON'S

"RELIABLE" WEED KILLE

Strength 1 to 50.

THE MOST PROFITABLE TO YOU, and the MOST ECONOMICAL FOR YOUR CUSTOME

PLEASE COMPARE PRICES:

		Retail.	Wholesale.
1 GALLON DRUMS		2/6 per Gallon.	1/7 per Gallon.
2	"		
5	"	2/- to 2/3 "	1/5 "
10	"		
40	" CASKS	1/9 per Gallon.	1/4 "

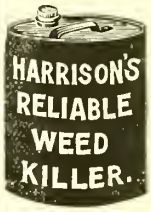
Drums charged extra, but allowed in full if returned carriage paid, in d condition, or drums included at low prices.

1 *month. Carriage paid on £1 to any English or Welsh station, and Scotch and Irish on £2.*

These Weed Killers are being very widely advertis and are good lines.

Effective Advertising Matter and Testimonials with all order

Being manufacturers, we are open to pack you our good your own name on fair orders.



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Manufacturing Chemist,

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THE

"ACME" WEED KILLER

Have now a large sale through CHEMISTS, and early application shoul made for Illustrated Counter Bills and Show Cards.

POWDER WEED KILLE

Packed in small decorated tins.

Immediately soluble in cold water.

All tins Free.
No return empties.
Specially adapted for Export.

LIQUID WEED KILLER

Strength: 1 gall. sufficient for 25 galls. of water.

DOUBLE STRENGTH

1 gall. sufficient for 50 galls. of water.

Liberal terms to the Trade. Particulars on Application.

GENUINE KENTISH COMPRESSED HOP

In 1-lb. and ½-lb. packets, with directions for making Hop Ale Hop Bitters, &c.

Also best Kentish Hops in bulk.

QUASSIA CHIPS, QUASSIA CUPS, &c

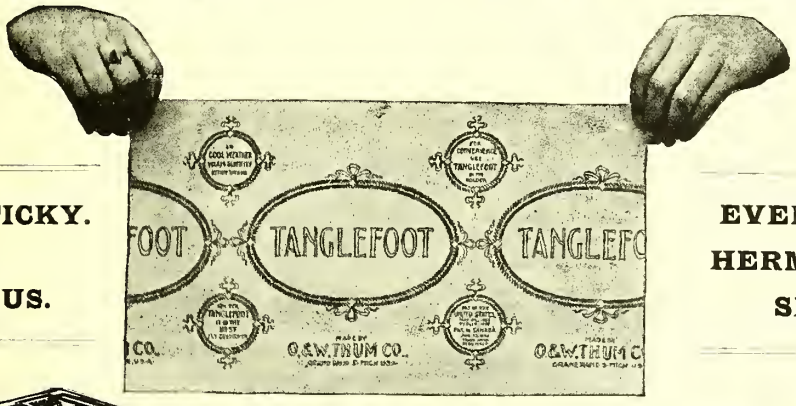
SOLE PROPRIETORS AND MANUFACTURERS—

THE ACME CHEMICAL COMPANY, LI

TONBRIDGE, KENT,

And CARLTON ST., BOLTON, LANCASHIRE

TANGLEFOOT FLY PAPER.



EALED, STICKY. NON-POISONOUS.

EVERY SHEET HERMETICALLY SEALED.

Case of Tanglefoot, 15/-. (10 boxes.)
5% OFF ON 5-CASE ORDERS.

N.B.—Chemists who supply Painters should send to us for Alabastine Price Lists and Tint Cards, descriptive of the merits and permanence of this world-renowned decorative material.

A Box of Tanglefoot, 1/8. (50 sheets.)

Sole Importers—

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THE GREAT AND MARVELLOUS

INSECT DESTROYER.

Entirely different from any other Beetle or Flea Powder.

"VIKO" will kill Cockroaches.
"VIKO" will kill Moths.
"VIKO" will kill Fleas.
"VIKO" will kill Bugs.
"VIKO" will kill Mosquitoes.
"VIKO" will kill Ants.
"VIKO" will kill all Insects.
"VIKO" will *not* kill Dogs.
"VIKO" will *not* kill Cats.

"VIKO" as a preventive against Moth is unrivalled. It has no equal. If sprinkled amongst Furs and Clothes instantly destroys any existing Insect Life, and ensures perfect freedom from a return of the pest.

Its effect upon Insect Life is simply marvellous.

REGISTERED.

Sold in 3d., 6d., & 1s. Tins.

SOLE PROPRIETORS—

TUNBRIDGE & WRIGHT, READING.

Manufacturers of the "World-Famed FLY CEMETERY."

TO PREVENT DISAPPOINTMENT, ORDER EARLY.

The World Famous Sticky Fly Paper.

'THE FLY CEMETERY'

FREE FROM POISON.

The Original and by far the Best Sticky Fly Paper in the Market.

Annual Sale—MILLIONS.

BEWARE OF THE MANY SPURIOUS IMITATIONS IN THE MARKET.

STOCK A FLY PAPER THAT WILL GIVE SATISFACTION TO YOUR CUSTOMERS.

Terms, &c., from

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IMPORTANT NOTICE.—If any of our customers have any over year's stock of our Fly Cemeteries on hand, we shall be pleased to exchange same for fresh goods free of cost.

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A MANCHESTER CHEMIST SAYS

"Every Chemist in th Kingdom ought to se FLYODOOMO; they ar certainly the best stick Fly Papers in the Market."

We are of the sam opinion, but THE DIFFICUL is in getting every Chemist to think alon with us.

WHAT WE ASK

you to do is to send **5/-** for a Sample Gros and convince yourselves.

JNO. H. SMITH & CO., NEWARK-ON-TRENT

What England, Scotland, Ireland, & Wales

SAID LAST FLY SEASON ABOUT

"COBWEBS"

UNSOLICITED TESTIMONIALS.

Mr. J. P. FAST, Chemist, Walsall, wrote, Sept. 26, 1898—

"Please send one gross 'COBWEBS' per return. P.O. 5s. enclosed. This makes my 20 gross this season. Before selling 'COBWEBS,' my annual sale of Sticky Fly Papers used to be about two gross"

Mr PETER BOA, Chemist, 119 George St., Edinburgh, wrote, Aug. 12, 1898—

"Please to send me two 6-dozen boxes of 'COBWEB' Fly Papers. Our Flies are very conservative. They have used your 'COBWEBS' for years, and still adhere to them."

Mr. SAMUEL M. REID Chemist, 80 Albert Bridge Road, Belfast, wrote, July 22, 1898—

"Please send me four more gross of 'COBWEBS.' They are the best Fly Catcher in the world, and the sale of them is unprecedented. Enclosed please find P.O. for 20s."

Mr. D. W. DAVIES, Chemist, Porth, Glamorgan, wrote, Sept. 16, 1898—

"There is an enormous demand upon your Fly Papers. They are so clean to handle; all my customers praise them. Enclosed please find cheque for another gross of 'COBWEBS.'"

"COBWEBS" 5s. per gross, carriage paid. Cash must accompany order. Samples free.

MILLIONS SOLD ANNUALLY.

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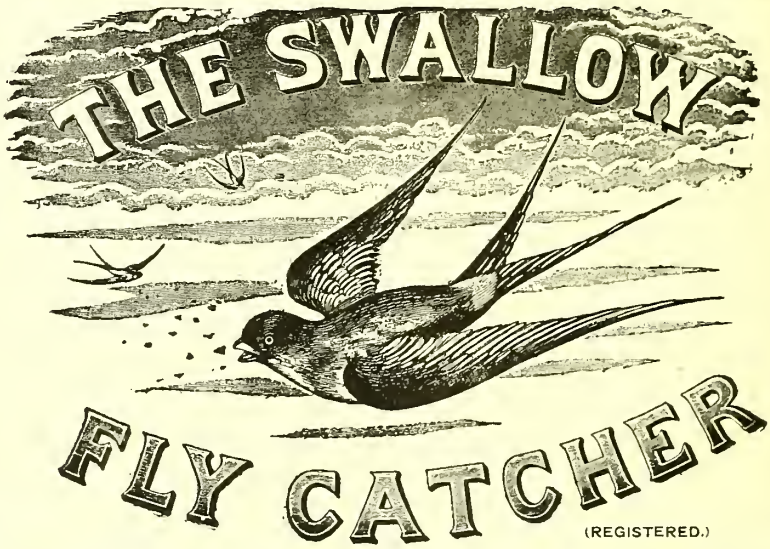
STICKY FLY PAPERS.

"DEMON" FLY LURE (Registered).

"Advertisement" FLY PAPER.



SUPERIOR TO ALL OTHERS

5/- PER GROSS—CASH WITH ORDER.

ALSO

Chemically Prepared Fly Papers.

Samples and Prices on application.

FOLDING CARDBOARD BOXES

Plain, or Printed in Choice Designs for Putting up Specialities.

PICTORIAL & ORDINARY COUNTER BILLS

ON WHITE AND COLOURED PAPERS.

WRITE FOR SAMPLES AND PRICES.

PRICE LISTS, PAMPHLETS, CIRCULARS, BILLHEADS, MEMORANDUMS, CARDS,

And all kinds of Printing and Stationery required by Chemists, at most Moderate Prices.

WARRICK,

MAKERS of FLEXIBLE CAPSULES.

Best Quality Envelopes. Best Quality Ingredients.

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A VALUABLE AGENCY!!!

BIRD'S BOTANIC ESSENCE

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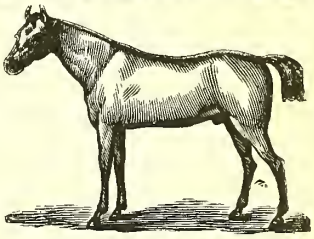
THE CERTAIN CURE

For Curbs, Splints, Spavins, Strains in the Back Sinews, Windgalls, Capped Hocks, Sore Throats, &c., in Horses.



Used in the Stables of the Royal Families, Nobility, the leading Trainers, and largest Horse Owners throughout the World for over 60 years.

Obtains a large sale (and affords a handsome profit) wherever introduced. May be procured of all Wholesale Houses, or direct from Sole Proprietors—

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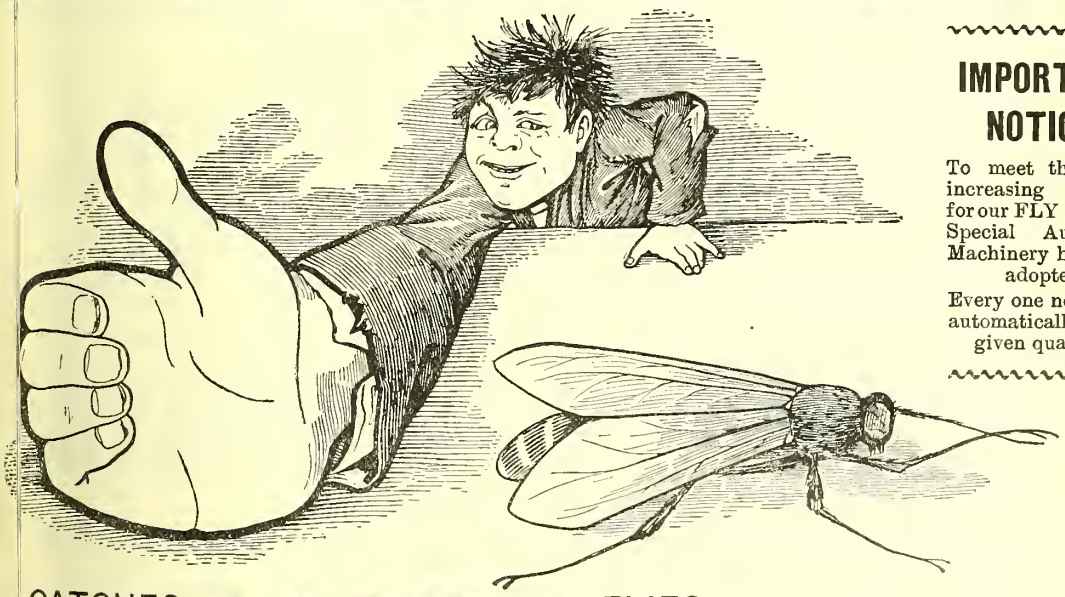

IMPORTANT NOTICE.

To meet the ever-increasing demand for our FLY REELS, Special Automatic Machinery has been adopted.

Every one now filled automatically with a given quantity.

CATCHES
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MORE

FLIES
READILY
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— THAN —
STICKY PAPERS.

MARSHALLS' LTD., 27 RED LION SQUARE, LONDON, W.C.

50th YEAR'S SALE

And still unapproachable for killing Flies.

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Every Paper guaranteed to kill QUICKLY without torturing the Flie and are not unsightly in the room like the STICKY FLY PAPERS.

SPECIAL PRICES ON APPLICATION.

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BELLADONNA * *

POROUS PLAISTERS

42/-

PER GROSS. 7½ × 5 in.

Subject to usual discount

* * RUBBER COMBINATIO

GUARANTEED TO CONTAIN 0·5 PER CENT.

ROOT EXTRACT BELLADONNA ALKALOIDS.

***N.B.*—Belladonna Plaisters, made in strict compliance with the new 1898 Pharmacopœia,**

ARE REDDISH BROWN IN COLOUR.

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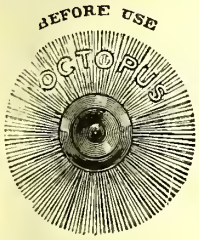
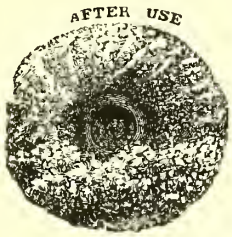
COLLECT THE FUR IN KETTLES, KITCHEN BOILERS, &c.





No. 00. Retail ... ... **6d.**

DISCOUNT 33⅓%.

No. 0.	Small Kettle Size ...	**1/6**
„ 1.	Ordinary Kettle Size...	**2/6**
„ 1½.	Small Boiler Size ...	**3/6**
„ 2.	Ordinary Boiler Size...	**5/-**
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DISCOUNT 40%.

SANITARY SINK BASKETS.

RETAIL 1/- to 3/- EACH.

RETAIL 1/- to 3/- EACH.

TRIANGULAR. OBLONG. CIRCULAR. SEMI-CIRCULAR.

DISCOUNT 40%.

☛ **Selling Agents wanted in several foreign countries.**

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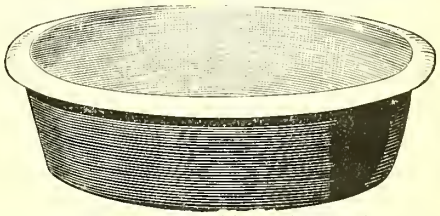
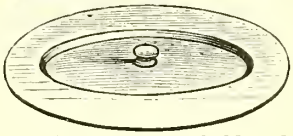
"Unbreakable" PULP WARE.

ROUND BATH TUBS.



White Inside. Marbled Outside.
Round Tub, diameter **18** inches ... ... per doz. **30/-**

LEWIS' PATENT CHAMBERINE COVERS.

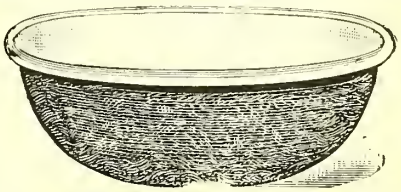


Should be in use in every Household and Institution in the Kingdom.

Recommended by the Highest Medical Authorities and Journals.

Per dozen **9/-**

OVAL "UNBREAKABLE" TUBS.



Light, Strong, Durable. No hoops to drop or rust off.
Measurement **16** inches.
Enamelled White inside, Marble outside.
No House or Nursery complete without them.
Per dozen **21/-**

"UNBREAKABLE" DISPLAY BOWLS.

A. Deep Pattern.

B. Shallow Display Bowls

	Assorted Colours.						Assorted Colours.			
Inches diameter ..	6	7½	9	10½	12	13½	9	10½	12	13
Decorated, per doz.	5/6	9/-	13/6	19/6	22/6	25/6	9/-	11/3	15/-	18/-
Plain „	4/6	7/6	10/6	15/-	18/-	21.-	7/6	9/-	12/-	15/-

Fully Illustrated Price List of Thetford Pulp Ware on application.

W. B. FORDHAM & SONS, LTD., 36 to 40 YORK ROAD, KING'S CROSS, LONDON, N.

TELEPHONE 514, KING'S CROSS. TELEGRAMS: "FORDHAMS LONDON." ESTABLISHED 1825.

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CALVERT'S

Original and Only Reliable

Carbolic Disinfectants, Soaps, Ointment, Tooth Powder, &c.,

CALVERT'S CARBOLIC SOAPS

Have been AWARDED 85 MEDALS and DIPLOMAS for SUPERIOR EXCELLENC.

Price Lists, Show Cards, Counter Bills, &c., free on application to the Manufacturers,

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GOLD MEDALS, 1887 & 1897. *Established 1863.* "CROWN BRAND."

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ACIDS GENERALLY.

ACETIC ACID SPECIAL.

Sulphites & Bisulphites of Lime, Soda, &c.

CHLORIDES OF CALCIUM, MAGNESIUM & ZINC.

FLOWERS, ROLL & ROCK SULPHUR.

TUSON'S DISINFECTANTS,

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Telegrams—"KINDERSLEY LONDON" (A B C Code).
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GERMOL

NEW AND POWERFUL DISINFECTING FLUID

(NON-POISONOUS.)

More Powerful than Carbolic Acid, and does not stai or burn in use.

"MICROBMORT" FOR SURGICAL USE.

GERMOL SANITARY POWD.

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READ HOLLIDAY & SONS, LIMITE

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CHLORIDE OF LIME

Steele's Patent Packets Guaranteed Airtight and Odourless.

SPECIALLY SUITABLE FOR EXPORT

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Agents wanted for AMERICA, FRANCE, and GERMANY.

THE UNRIVALLED EXTERMINATOR.

VERMITE

INSECT **KILLS** POWDER

Cockroaches, Beetles, Bugs, Fleas, Moths, Green-fly, Ants, Vermin in Dogs and Fowls, &c.

Harmless to everything except Insects.

Used by H.M. Admiralty, War Office, &c.

ALL

Used on all Steamship Lines, &c.

Chemists will be asked for **VERMITE**; they should stock it immediately.

INSECTS.

Sold in 1/- Bellows, and 3d., 6d., 1/-, and 2/6 Tins.

STOCKED BY WHOLESALE HOUSES.

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26 BILLITER BUILDINGS, BILLITER ST., LONDON, E.C.

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CHLORINE AS A DISINFECTANT.

"**CHLOROS,**" Hypochlorite of Soda, containing 10 per cent. available Chlorine.

The presence of 1 part "Chloros" in 100 parts of Sewage will entirely destroy all germs of Cholera, Typh Diphtheria, Swine Fever, Glanders, and of many other diseases.

The presence of 1 part "Chloros" in 10,000 parts of ordinary Sewage will completely remove all smell

"**CHLOROS**" is a liquid; it yields no insoluble residue, and cannot stop up drains.

"**CHLORIDE OF LIME,**" containing 35 per cent. available Chlorine.

The Cheapest of True Disinfectants.

"**SANITARY CHLORIDE OF LIME,**" containing 15 per cent. available Chlorine

"**SANITARY CHLORIDE OF LIME**" is especially prepared for Sanitary purposes.

"**SANITARY CHLORIDE OF LIME**" does not become wet or sloppy on exposure to the air, and can be handled with impunity.

Sole Agents for "Chloros" & "Sanitary Chloride of Lime" to Chemists & Druggists in the United King

Messrs. EVANS, SONS & CO., LIVERPOOL.

MOTH PREVENTIVES
In Various Forms, all equally Efficacious.

ALABASTRINE TABLETS.
For placing in Wardrobes, Chests, Cupboards, &c.
1s. per box.

CRYSTALLISED CAMPHYLENE
For scattering under Carpets, into Crevices amongst Furniture, &c.
1/- per tin.

Special Terms to Chemists and Wholesale Buyers.

This Uniqu Preparati possesses gr Stimulating d Invigoratin Properties Is highly recommend by the Medi Profession

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INSECT POWDER

From Closed and Half-Closed Flower

Guaranteed from New Season's Crop. In 1-cwt. Kegs.

Send for our Quotations, and buy only a Genuine Guaranteed Article.

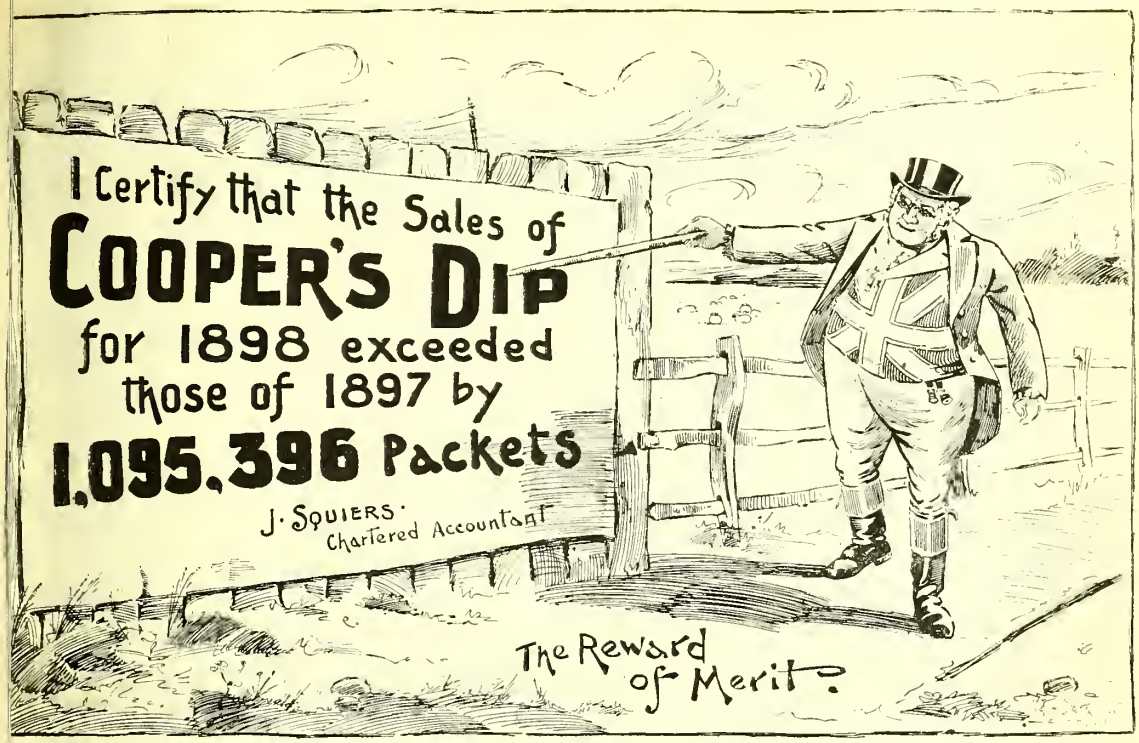
REFINED CAMPHOR BELLS

SPECIAL OFFER OF 25% UNDER MARKET.

ASK OUR PRICE BEFORE BUYING, AND YOUR ORDERS WILL REACH US IN DUE COURSE.

Procurable through all Wholesale Houses, or direct from

FLEMING'S OIL AND CHEMICAL CO., LIMITED, 101 LEADENHALL ST., E.



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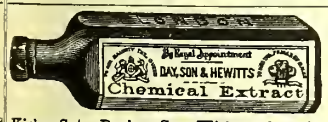
WM. COOPER & NEPHEWS, BERKHAMSTED.

DAY, SON & HEWITT.

Largest Makers in the World of

HORSE AND CATTLE MEDICINES.



Kicks, Cuts, Bruises, Sore Withers, Swellings, Sprains of Ligaments and Tendons, Saddle Galls. It rapidly relieves Straining and Paining after Calving and Lambing, and is the remedy for Swollen Udders and Sore Teats.

Price 2/6, 3/6, and 7/- per Bottle.

For all Feverish Disorders among Cattle, Sheep, Pigs, and for Colds, Indigestion, Costiveness, Slows, Surfeits, Loss of Cud, Hide-bound, Red Water, &c. Admirably adapted for Cleansing and Cooking Feverish symptoms in Cows and Ewes after Parturition, rendering the milk copious, pure, and wholesome. It acts as a safe preventive of Milk Fever.

Price (Cows), 13/- per doz. Box; (Ewes), 3/6 per doz. 3-doz. Box, 10/-

Complete in 3 sizes. Sent Carriage Paid.

Prices—

£3 6s., £2 16s. 6d., and £1 8s. 9d.

Liberal Discounts to Agents and Foreign Buyers.

Trade Terms and full particulars on application.

Attractive Showcards and Handbills sent with each order.

A sure remedy for the Fret, Colic, or Gripes, Influenza, Loss of Appetite in Horses. For Debility, Scour, or Diarrhœa in Horses, Cattle, and Sheep. Hoven or Blown Cattle and Sheep instantaneously relieved.

Price 1/9 per Bottle. 20/- per doz.

For Blood Disorders in Horses, Eczema, Surfeits, Nettle-rash, Ringworm, Itching, Ill-Condition, Off Appetite, Staring Coat, and Sluggishness. Invaluable for Sterility or Barrenness in Horses and Mares, by virtue of its Phosphoric and other stimulating ingredients. Contains no injurious drug, and can be given at all times to all breeds of horses without stopping their work.

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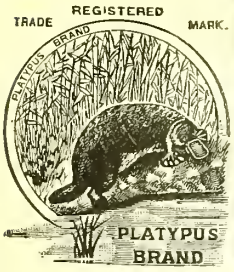
Sold also at reduced rates in Tins 10/6 and £1 each.

Royal Animal Medicine Manufactory, 22 DORSET STREET, LONDON, W. [Established 1833.]



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GUARANTEED B.P. 1898. CONTAINS 55 TO 65 PER CENT. EUCALYPTOL.

TASMANIAN EUCALYPTUS OIL CO.

138 LEADENHALL STREET, LONDON, E.C., and HOBART, TASMANIA.

WALKER, TROKE & CO.
WHOLESALE DRUGGISTS,
2 (late 65) Bath St., City Road,
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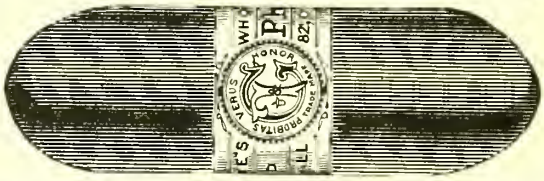

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GELATINE CAPSULE
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Alterative, Condition, Cordial, Co
Diuretic, Fever, Physic, Worm, Qu
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GELATINE-COATED DOG AND FOWL PILLS. SAMPLES FREE.

A. MILLAR & CO., LTD., DUBLI

PURE ORANGE WIN

(VINUM AURANTII, B.P.), prepared in strict accordance with the Formula of the British Pharmacopœia.

CAMPHORTAR
8/- per Gross
CAMPHORTAR

A powerful Disinfectant, Deodoriser, Insect Destroyer, and Air Purifier.

CAMPHORTAR

SOLD BY THE PRINCIPAL DRUG AND SUNDRY HOUSES.

HEBDEN'S
CHLORIDE OF LIME
IN
AIRTIGHT, ODOURLESS, WATERPROOF PACKETS
Retains the Chlorine and keeps the Powder dry longer than any other packet.
4 oz., 8/- gross; 8 oz., 16/- gross; 16 oz., 30/- gross.
SOLD BY THE PRINCIPAL DRUG AND SUNDRY HOUSES
Samples on application.

Manufactured only by
W. C. HEBDEN, Albany Works, HALIFAX, **YORKSHIRE.**

HEBDEN'S SILVER GLOS
For LINEN.
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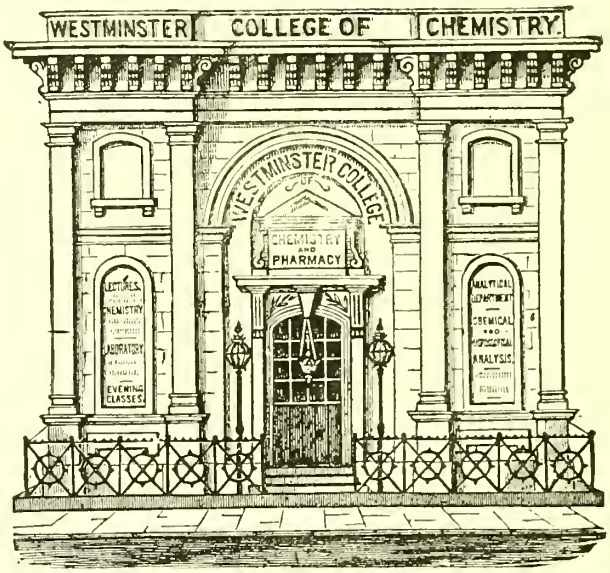

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Session 1896-97.
Majors 10, Minors 79, Hall 2.

Session 1897-98.
Majors 8, Minors 102, Hall 5.

Session 1899 to date.
Majors 10, Minors 68.

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For Major Students are held on Tuesdays, Wednesdays, and Fridays, the course extending from September 1st to the following July 24th. Hours 7 P.M. to 10 P.M.

For Minor Students there are three courses similar to the day courses; the classes are held on Mondays, Wednesdays, and Fridays. Hours 7 P.M. to 9 P.M.

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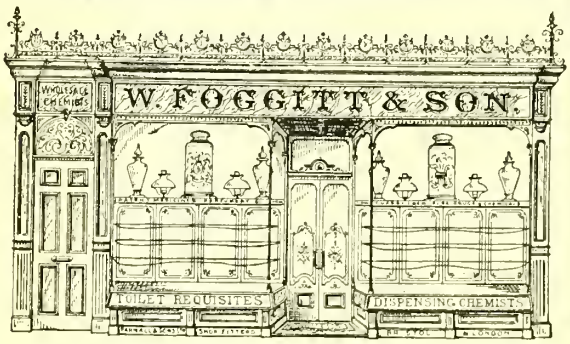

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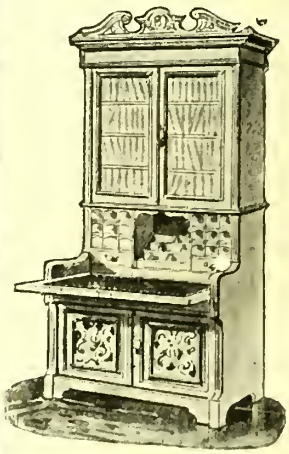

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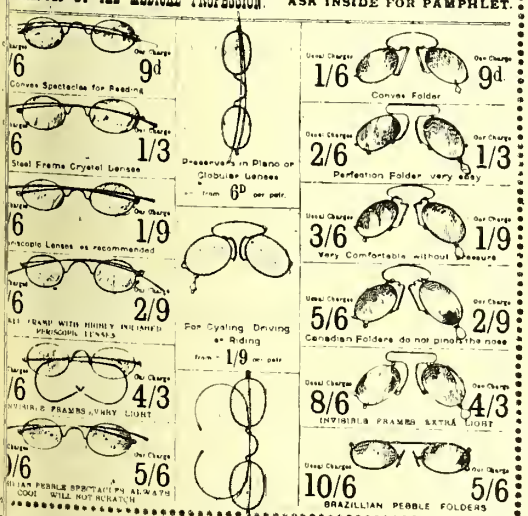

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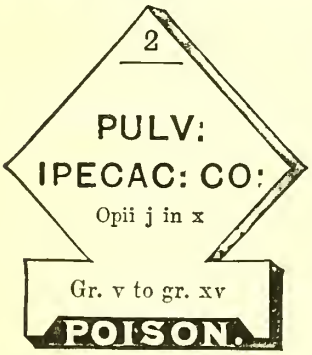

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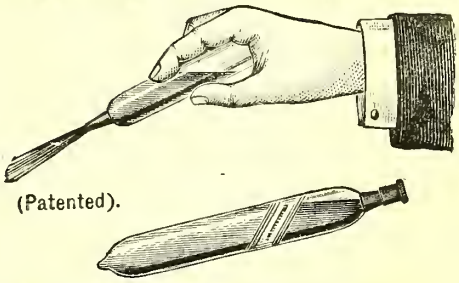

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See references in the Winter Number of THE CHEMIST AND DRUGGIST, January 28th, to the Editorial Notices in

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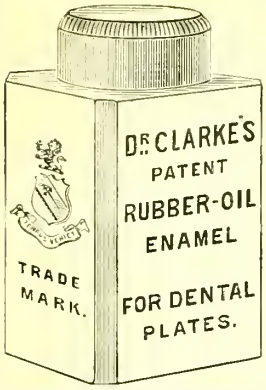

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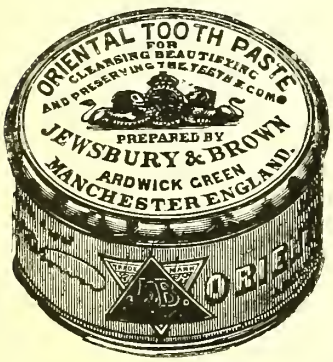

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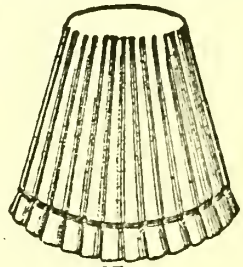

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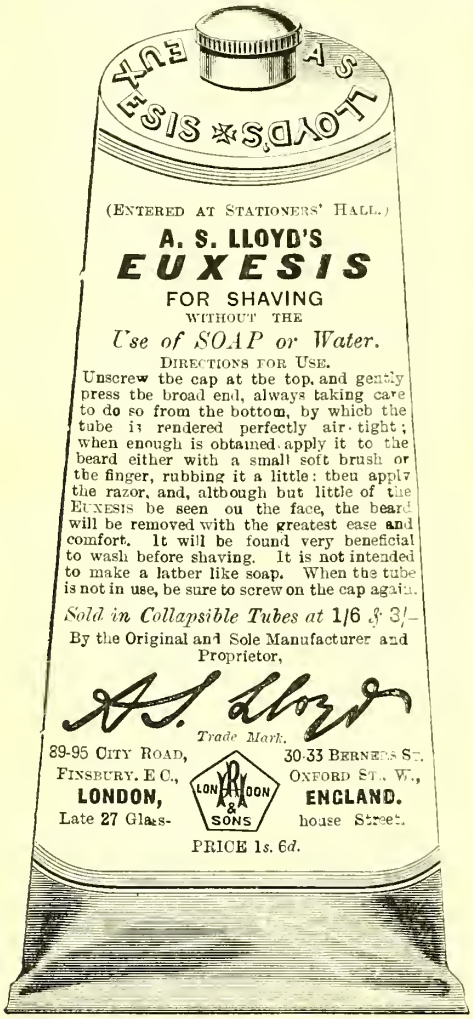
For Shaving without Soap, Water, or Brush.



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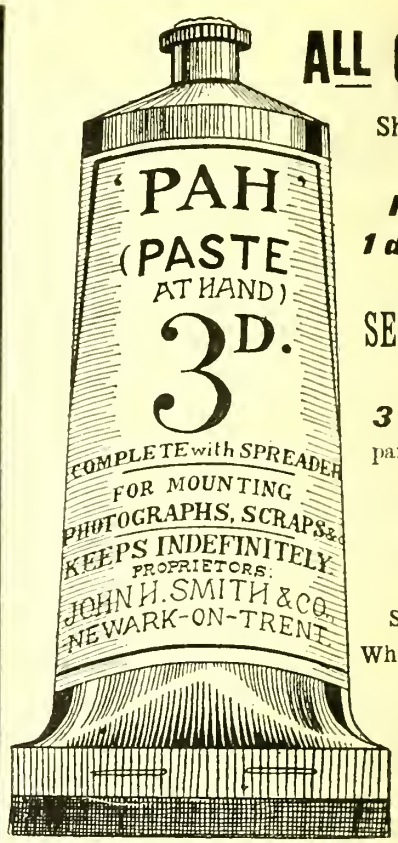
10/- *per dozen,* 9/6 *by the* 3 *dozen,* 9/- *by the* 6 *dozen.*
Retails at 1/6 *the Tube ;* 3/- *size to order.*

NOTICE.—THE GENUINE A. S. LLOYD'S EUXESIS bears a label printed in BLACK only on a Yellow ground, with our Trade Mark at the bottom, as Illustration.

Proprietors—R. HOVENDEN & SONS,

30-33 Berners Street, W.,
and 89-95 City Road, E.C., LONDON.



ALL CHEMIS S

Should keep .

Put up o
1 doz. Car s.

SELLS AT SIGHT

3 doz. carri e paid on receipt of P.O. for

6s.

Stocked by a Wholesale Hou s.

Patent applie r.

SALVO PETROLIA

A SUPERIOR VASELINE

May be procured through all Chemists and Druggists, an is Manufactured solely by the Proprietors,

THE DEE OIL COMPAN ,

LIMITED.

Works: SALTNEY, CHESTER.

SALVO PETROLIA

Sanctioned by the Board of Trade Marine Department, and includ n their instructions issued May, 1894, to superintendents of Merca le Marine Offices.

Manufactured in five distinct qualities—WHITE, LEMON, YELLOW, GOL , and RED (Veterinary).

Packed in tins 1, 2, 4, 5, 7, 10, 14, and 28 lbs., 56 and 112 lb. Drums d 3 cwt. Barrels.

OLEUM DEELINÆ

(REGISTERED).

GENERALLY ADOPTED BY THE MEDICAL PROFESSION FOR

Ophthalmia, Scurvy, Ringworm, Eczem , and all Skin Diseases.

Packed in Cases—One dozen 1s. Bottles; One dozen 2s. Bottles. Bottles 4s. 6d. each for Hospitals and Dispensing Chemists. Testimo s may be had upon application.

A. S. LLOYD'S EUXESIS.

For Shaving without Soap, Water, or Brush.

CAUTION.

The Labels on genuine EUXESIS bear signature of A. S. LLOYD in BLACK INK, and that of his Widow, AIMÉE LLOYD, in RED INK. Refuse any other.

Sole Manufacturers and Proprietors: **AIMÉE LLOYD & CO.**

3 SPUR STREET, Leicester Square, LONDON, W.C.

NB.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S)

'ERASMO'

THE QUEEN OF HAIR RESTORERS.

An entirely NEW PREPARATION, compounded on scientific principles

PRICES—***2/6*** and ***1/-*** per Bottle, fitted with patent Sprinklers.

Wholesale London Chemists—

EVENDEN & SONS, Berners Street, Oxford Street, W.
SINGER & SONS, Winsley Street, Oxford Street, W.
SUTTON & CO., 76 Chiswell Street, E.C.
BUTLER & CRISPE, 82 Clerkenwell Road, E.C.

Wholesale Irish Chemists—

HAMILTON, LONG & Co., LTD., 3 Lower Sackville St.; HAYES, CONYNGHAM & ROBINSON, LTD., 12 Grafton St., Dublin.

PROPRIETORS: THE ERASMO TOILET CO., 155 PRAED STREET, LONDON, W.

TRY IT IN YOUR BATH.

SCRUBB'S CLOUDY FLUID AMMONIA

MARVELLOUS PREPARATION.

Refreshing as a Turkish Bath.
Splendid Cleansing Preparation for the Hair.
Allays the Irritation caused by Mosquito Bites.
Restores the Colour to Carpets.
Invaluable for Toilet Purposes.
Removes Stains and Grease Spots from Clothing.
Invigorating in Hot Climates.
Cleans Plate and Jewellery.

Of all Chemists, Etc. **Price 1s. per Bottle.**

SCRUBB & CO., GUILDFORD STREET, LAMBETH, LONDON, S.E.

Bentley's Windsor Bouquet Perfume.

New Japanese Rose Soap.
2½d. tab.
18/- per gross.

New Butter Milk Soap.
2d. tab.; 16/- per gross.

New Otto of Rose Soap.
4d. tab.
30/- per gross.

SHARP'S RUSSIAN VIOLET SERIES.

NEW LINES

SHARP'S OTTO OF ROSE SERIES.

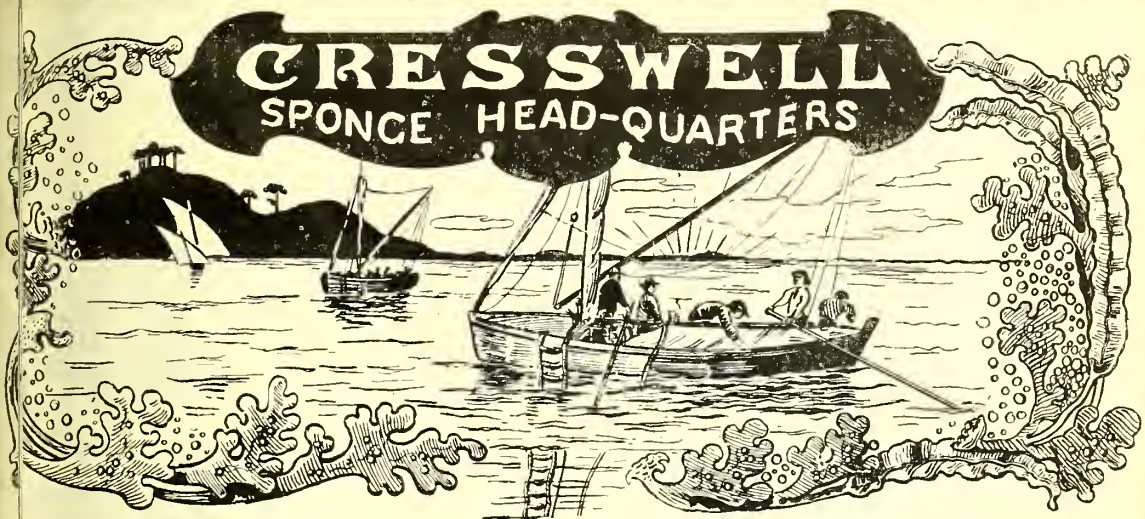
WRITE FOR 'NEW LINES' LIST.

Sole Proprietors and Manufacturers—
THE SHARP BROS. SOAP & PERFUMERY CO., LTD.,
18 & 19 Red Lion Square,
LONDON, W.C.

Makers to THE QUEEN.

New Bouquet of Flowers.
2d. tab.
17/- per gross.

New English Violet Soap.
2d. tab.
17/- per gross.



1 & 2 and 18 & 19
RD LION SQUARE, LONDON.

SONGES IN ORIGINAL CASES

Also Half and Quarter Cases.
Genuine unbleached goods as imported.

HO:YCOMB, FINE TURKEY, & BROWN TURKEY.

At following average prices per piece :—

1/6 3d., 4½d., 6d., 7d., 8d., 9d., 10d., 1/-, 1/2,
1/3 1/4, 1/6, 1/8, 1/9, 2/-, 2/3, 2/6, 2/9, 3/-, 3/3,
/6, 3/9, 4/-, 4/6, 5/-, 6/-, 7/6, and upwards.
In 1st, 2nd, and 3rd qualities.

Ou EW PRICE LIST with full details sent on application.

EPACKED ASSORTED CASES TO CONTAIN BUYERS' OWN REQUIREMENTS.

CARDED SPONGES.

Honeycomb & Turkey.

Marvellous Value.

Mounted on Handsome Blue Cards of Special Design.
Retail Prices :—
d., d., 2d., 3d., 4d., 6d., 1/-, 1/6, 2/-, 2/6.
Wholesale, per gross :—
3/6/-, 12/-, 18/-, 24/-, 36/-, 72/-, 108/-, 144/-, 180/-

CHAMOIS LEATHERS.—Special Value.

SELECTED QUALITY.

	M1.	M2.	M3.	M4.	M5.	M6.	M7.
Ma							
Per p (30 skins) ..	6/3	7/6	8/9	10/-	12/6	15/-	17/6
Ma	M8.	M9.	M10.	M11.	M12.	M13.	M16.
Per p (30 skins) ..	18/9	20/-	25/-	30/-	35/-	40/-	50/-

SECOND QUALITY.

	B1.	B2.	B3.	B4.	B5.	B6.	B7.	B8.	B9.
Ma									
Per p (30 skins) ..	2/6	3/9	5/-	7/6	8/9	10/-	12/6	13/9	16/3
Ma	B10.	B11.	B12.	B13.	B14.	B15.	B16.	B17.	
Per p (30 skins) ..	18/9	21/3	25/-	26/3	28/9	30/-	32/6	36/3	

HO EMAIDS' GLOVES, Best, 6/6 per doz. pairs; 2nd Quality, 5/6.
GAUNTLETS, 10/6; 2nd Qual ty, 8/6.

And at

PARIS, and AEGINA, GREECE.

CRESSWELL BROS. & SCHMITZ

HOLD the LARGEST STOCK in the WORLD.
Finest and Most Varied Assortments.

SPONGES in SMALL PACKAGES

Fine TURKEY, Fine EGYPTIAN & HONEY-COMB, 1st, 2nd, & 3rd Qualities.

BLEACHED or UNBLEACHED (state which in ordering).
On Strings of 1 doz. pieces, or loose in Bags. At per doz.

2/-, 3/-, 4/-, 6/-, 9/-, 12/-, 15/-, 18/-, 24/-, 30/-, 36/-, 42/-, 48/-, 54/-, 60/-, 66/-, 72/-.

Fine Turkey Sponges in Rich Papered Boxes of 1 dozen for Counter Display, at from 1*d.* to 10*s.* each sponge.

FINE CUBAN SOLIDS.

IN HANDSOME COUNTER BOXES.

24	12	12	12	12	Pieces.
¾d.	1½d.	2½d.	3½d.	4½d.	Each.

Also large Cut Pieces, loose, at 1/-, 2/-, 3/-, 4/-, 6/-, and 8/- dozen.

FINE ANCLOTE SPONGES.

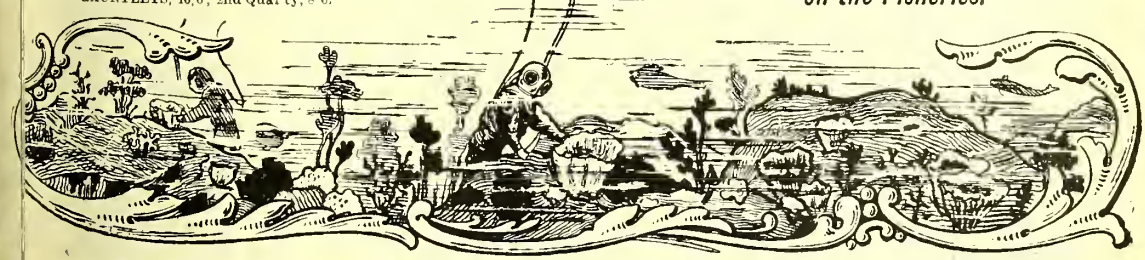
Turkey quality. Bleached or unbleached. The best of all the cheap grades of Sponges. Marvellous value.

IN STRONG CARDBOARD SHOW BOXES.

36	24	24	24	24	
3d.	4d.	6d.	9d.	1s.	Each.

2½ *per Cent. Discount for Prompt Cash; Net, Three Months.*

The only Firm with its own Establishment on the Fisheries.



CRESSWELLS for ROCK-BOTTOM PRICES.

60 YEARS' SUCCESS

HOPGOOD'S

NUTRITIVE & SEDATIVE

HAIR CREAM

The only preparation for the HAIR and SCALP recommended by the MEDICAL FACULTY.

Medical Testimonials.

"I feel much pleasure in being able to recommend (with confidence) your NUTRITIVE CREAM in all cases of irritation of the Scalp, and accumulation of dandruff or pityriasis, in each of which I have freely used it and with unfailing success."

"JOHN A. WALCOTT, M.D."

"Mr. HOPGOOD has conceived that dandruff and loss of hair are frequently the result of irritation of the skin. He has succeeded in manufacturing a 'CREAM,' which is most successful in removing this condition, and I have much pleasure in bearing my testimony to its beneficial results. I have witnessed its effects in removing dandruff and irritation, and in restoring the hair, to an extent truly surprising."

"THOMAS BELL SALTER, M.D."

Medical Testimonial.

"I have very great pleasure in being testimony to the value of your NUTRITIVE AND SEDATIVE HAIR CREAM in cases of irritation and other secretions of the skin of the head, having witnessed, when practising in Ryde, its beneficial effect on many occasions."

"E. H. MARRIOTT, M.R.C.S., Lon."

"I suffered from great irritation, accompanied with considerable and most annoying secretion of scurf, for which I had tried varied plans of treatment without success, but by using HOPGOOD'S CREAM, I was completely relieved in a few weeks, and have had no return."

"J. OLLARD, M.R.C.S., Lon."

Prevents BALDNESS, SCURF, GREYNESS,

AND IRRITATION OF THE SCALP.

Bottles, 1s. 6d., 12s. 6d. doz.; 2s. 6d., 20s. doz.; 3s. 6d., 30s. doz.

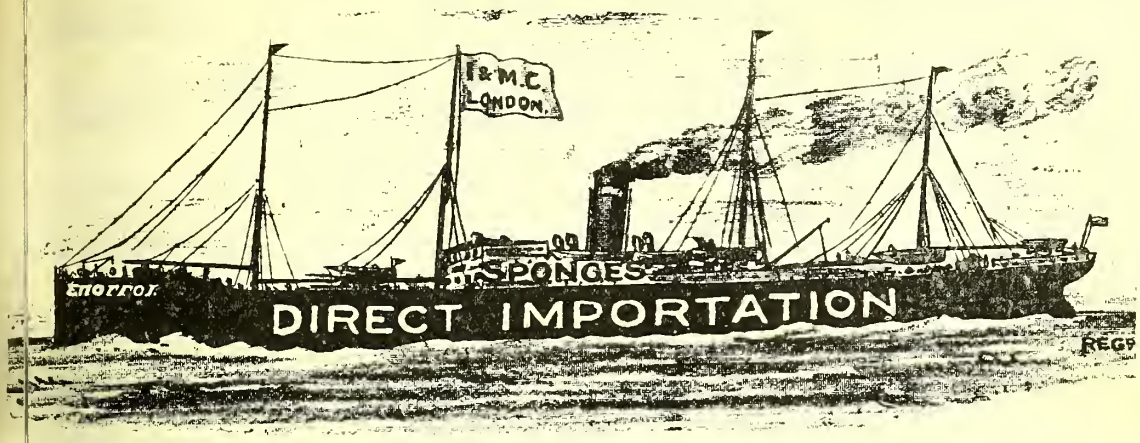
IMPORTANT TO EXPORTERS.

Properly stocked keeps in perfect condition two years.

Wholesale and Export Agents:

OSBORNE, GARRETT & CO., 51 Frith Street, LONDON, W.

Manufactory: 36 Cheltenham Place, Brighton, late Ryde, I. of W.



SPONGES

OWING to the strong objections made by many of our Customers, we desire to announce that we shall ***NOT EXHIBIT*** at THE CHEMISTS' EXHIBITION to be held at the Agricultural Hall on the 19th June and following days.

We therefore cordially invite all buyers to call and inspect our Large and Varied Stock of all descriptions of Sponges always on show at our Warehouses as below.

I. & M. COHEN,

Sponge Merchants, Importers & Exporters.

ALL COMMUNICATIONS TO

53 & 54 HOUNDSDITCH, AND 66 ST. MARY AXE,

LONDON, E.C.

BEST EXPORT PRICES. SPONGES SPECIALLY SELECTED for CHEMISTS' TRADE in all parts of the world.

ANALYTICAL REPORT ON

STERN'S PARAFFINUM MOLLE

ALB. AND FLAV., B.P., 1898.

"The samples of six qualities of White and Yellow Petroleum Jelly submitted to me for analysis fulfil answered the requirements of the New British Pharmacopœia for Soft Paraffin (Paraffinum Molle).

"There were no traces of fixed oils, fats, or resin in any of the samples, and no residue on ignition.

"The neutral character and satisfactory consistence of the jellies, and the absence of acrid odour when melted, showed that they had been carefully manufactured.

"In respect to quality they are superior to most of the Petroleum Jellies on the market.

(Signed) "E. J. MILLARD, F.C.S., F.R.M.S., &c.,
"33 Lothair Road, Finsbury Park, N."

Sole Makers:
Messrs. STERN BROTHERS, 57 Gracechurch Street, E.C.

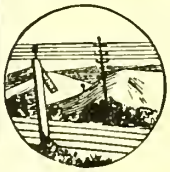
Makes the Skin Soft and Delicate.

HYDROXENE SOAP

Invaluable for the Nursery and Toilet.

HYDROXENE Co., Old Stratford, STONY STRATFORD.

Wholesale and Export Orders
FOR
MASON'S
PERFUMED CARBOLIC ACID
"ODORINE"
AND
MARSHALL'S CUBEB CIGARETTES
Should be addressed to
C. E. MASON & CO.
107 Whitecross Street, LONDON, E.C.



TRADE MARK.

Price List and Terms upon application.

S. V. METH.

JONES & COMPANY,
COPPERFIELD ROAD,
LONDON, E.
LARGEST MAKERS IN THE KINGDOM

We are prepared to supply METHYLATED SPIRIT in 5-gallon quantities at Lowest Prices.

REDUCTIONS TO LARGE BUYERS
SAMPLES FREE.

BOORD & SONS
DISTILLERS, FOREIGN WINE AND SPIRIT MERCHANTS, AND METHYLATORS
ALLHALLOWS' LANE AND BARTHOLOMEW CLOSE, LONDON, E.C.
Quotations for S.V.R. Methylated Spirit and Finish on application
FINEST ORANGE WINE FOR QUININE.

1898 NEW BRITISH PHARMACOPŒIA, 1898,
S.V.M., S.V.R., and WINES.
WRITE FOR PRICES:—
S.V.R. JAMES BURROUGH, Ltd.,
58 o.p. = *90* % Alcohol. | CALE STREET DISTILLERY, CHELSEA, LONDON, S.W.

FREE SAMPLES

— OF —

Snowdon's Petroleum Jelly

— AND —

Snowdrift Disinfectant

TO CHEMISTS AND OTHERS SENDING TRADE CARD.

Snowdon's Petroleum Jelly,

both white and yellow, gives the most unqualified satisfaction from every point of view perfectly, and satisfies the requirements of the B.P. This is demonstrated by the analysis of Dr. S. RIDEAL, D.Sc. Lond., F.I.C., who analysed it in the latter part of 1894, and who, writing again under date Dec. 22nd, 1897, says:—

"I find that all the samples are practically free from Ash, and show no trace of acidity. From "a comparison of the results with those obtained in former years, I am glad to be able to certify that "your manufacture is of uniform good quality, and that customers who give repeat orders are able to "obtain from you Petroleum Jelly which conforms to the most rigid standards."

Snowdon's Speciality "Snowdrift" (Regd.) Brand.

This Jelly is of a tough or stringy consistency, and has received the endorsement of *"The Hospital,"* which says of it:—

"That its tough or stringy nature is a great improvement. We learn that already the demand for "the 'Snowdrift' brand is very great. It is cheaper than ordinary vaseline, and we confidently recom-"mend it to the medical profession."

Sample and Prices will be sent on application.

Snowdon's Special Quality for Tropical Climates.

We have a Special Quality of Jelly of a high melting point, specially suitable for this purpose. If you state, when writing, precisely what you require, it saves needless correspondence and loss of time, and we can give you the exact thing you want.

Snowdrift Disinfectant

is the ideal disinfectant, as it is free from objectionable odour and it does not corrode any article with which it comes into contact. It destroys every kind of microbe and germ. It can be used for every purpose for which disinfectants are used, but in addition it is refreshing in the bath, and is extensively used in laundries, both for softening water and also for purifying linen. Finally, it is very cheap, as it can be diluted with water, in the proportion of from 1 to 25 to 1 to 100.

SNOWDON, SONS & CO., Ltd.
Manufacturing Chemists,
MILLWALL, LONDON, E.

Telephone—No. 127 Eastern
Telegrams—"Snowdrift, London."
A B C Code used.

TRADE MARK.

Telegrams:—"PHARSALIA." Telephone No. 2759 (Gerrard)

JOHN SANGER & SONS,

— DEALERS IN —

Proprietary Articles, Druggists' Sundries, Perfumery, Lozenges, Mineral Waters, Surgical Instruments, Fancy Articles, Photographic Apparatus and Sundries, &c., &c.,

HAVE TAKEN

STAND D, AS BEFORE, ALSO STANDS 139 & 140,

AT THE

CHEMISTS' EXHIBITION,

Royal Agricultural Hall, June 19th to 23rd,

AND WILL SHOW A LARGE ASSORTMENT OF

DRUGGISTS' SUNDRIES AND PHOTOGRAPHIC APPARATUS.

Their Town and Country Representatives and one or more of the Principals will be in attendance each day.

THE NEW REGISTERED

POISON BOTTLE.

Registered No. 334871.

DARK BLUE GLASS, ONE SIDE PLAIN FOR LABELS

½ oz.	....per gross,	5/3
1 "	.... "	6/0
1½ "	.... "	6/9
2 "	.... "	7/6
3 "	.... "	8/3
4 "	.... "	9/0
6 "	.... "	10/0
8 "	.... "	15/6
10 "	.... "	18/0

THE WINSLEY BABY SOOTHERS.

No. 20.

2 doz. on Card.

Bone Ring and Silk Cord.

Per Gross, 20/-.

No. 25.

No 25.

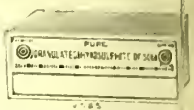
Large Wood Mounts.

Large Teats

Per Gross, 14/3.

Per doz., 1/3.

No. 20. Special Prices for Quantities.



HYPOSULPHITE OF SODA.

1 *lb. in Carton, as Illustration.*

Per doz., **1/9**; 3 doz., **/6.**

12 doz. with Customer's Name on Free.

Special Prices for Quantities.

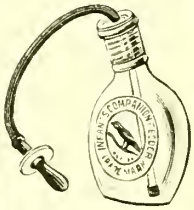
LITTLE LIVER GRANULES.

40 Pills in Metal Screw Cap Tubes, Assorted Coloured Wrappers.

Per doz., **2/6.**

6 doz. for **14/9**; 12 doz. for **28/-.**

Customer's Name printed on 6 doz. lots.



FEEDING BOTTLES

Each in Box complete, screw white glass bent neck bottle, plain or graduated, with bottle and tube brush, and best black fittings.

6 in. Tubes ... ... per doz. **4/6.**

9 in. " ... ... " **4/9.**

12 doz. with Customer's Name on Label.

GLYCERINE AND CUCUMBER.

6d. size in handsome coloured cartons.

Per doz., **3/9.**

3 doz. at **3/6** doz.

12 doz. at **3/-** doz.

3 doz. and upwards with Customer's Name and Address.

TOOTH POWDER TINS.

2½ in. by ⅞ in.

Liquid Capacity, about 2 ozs.

DULL GOLD, printed Assorted Colours, ANTISEPTIC, CARBOLIC, CAMPHORATED CHALK, and ROSE, as Illustrations.

Per doz., 10d.; per gross, 9/-.

ALL ABOVE PRICES SUBJECT TO OUR USUAL 10 PER CENT. AND 5 PER CENT. DISCOUNT

WAREHOUSE AND SHOWROOM: 2 WINSLEY STREET, LONDON, W.

R. HOVENDEN & SONS, BERNERS ST., W., AND CITY ROAD, E.C., LONDON.

REVISED and ILLUSTRATED

CATALOGUE

500 Pages, and over 1,880 Illustrations, Post Free on receipt of Business Card.

TERMS: 2½ PER CENT. CASH DISCOUNT.

WHOLESALE DEALERS IN AND MANUFACTURERS OF

PERFUMERY, PATENT MEDICINES,

DRUGGISTS' SUNDRIES,

FANCY SOAPS, ESSENTIAL OILS,

TOTH, NAIL, and HAIR BRUSHES, COMBS, CUTLERY,

TOILET AND SMELLING BOTTLES, SPRAY PRODUCERS, MANICURE GOODS,

And all Articles dealt in by Chemists, &c.

PROPRIETORS OF—

THE CHERUB FEEDER
THE EASY HAIR CURLER
GLIADERMOS
BOCE'S HYPERION FLUID
BOCE'S MYSTIKOS
CHURCHER'S DENTIFRICE AND MOUTH WASH
CHURCHER'S SPECIFIC
CHURCHER'S TOILET CREAM
COWVAN'S RAZORS, RAZOR STROPS, AND PASTE
LLOYD'S EUXESIS (The Genuine)
THE RAZOR SCISSOR
HOVENDEN'S SHAVING SOAP
MARRIS'S MARKING INK
SWEET LAVENDER PERFUME
MARRIS'S ALMOND TABLETS AND PREPARATIONS
MIDGET PATENT SAFETY SHAVER
THORNTON'S WALNUT HAIR WASH
HERRING'S MAGNETIC BRUSHES

SOLE WHOLESALE DEPOT FOR—

BACHELOR'S HAIR DYE
BAIS SAVONNEUX (Wheatsheaf Brand)
BERGEMANN'S SHAVING SOAP
BULY'S TOILET VINEGAR
CHAPLIN'S TOILET VINEGAR & BATH POWDERS
DORIN'S ROUGES, BLANCS, and all other preparations
FEUX'S EAU DES FEES
IMPERIAL HAIR REGENERATOR
LEHNER'S GREASE PAINTS, & all other preparations
LOUIS FILTER PAPER
MARIE ANTOINETTE EGG JULEP POWDER
MECHI'S RAZOR STROPS and Paste
NUDA VERITAS HAIR RESTORER
PICARD FRERES' POUDRE D'AMOUR
PICARD FRERES' VALINEROSE
PINAUD'S PERFUMERY, and all other preparations
PRAY'S (Dr. J. PARKER) MANICURE GOODS
ROBARE'S AUREOLINE
ROBERT FRERES' PERFUMERY
ROYAL WINDSOR HAIR RESTORER
SCHWARZLOSE'S HAIR DYE | SKINHEAL
VOOGD'S RAZORS, SCISSORS, and all other articles

Do you make your own

MINERAL WATERS?

IF NOT READ THE FOLLOWING:

The public always have and still will prefer the waters made by a chemist, as they consider (and rightly so) the manufacture has had the same care bestowed upon it as would have been given to a prescription.

You are in a position to command the trade of your district, and, moreover, in an article which yields, we are certain, a return upon cost exceeding many times that upon any other article a chemist sells.

Before the summer is here look into the matter.

Write for our price list, and ask us any question upon the business, and you will receive full information by return of post.

We introduced the "Compact" Machine specially for chemists' use, and the sales have far exceeded our expectations.

We can give references to chemists in any part of the country who have used the machine to their entire satisfaction.

The Universal use of this machine led to its adoption by the Metropolitan Asylums Board for all the institutions under their control; and also by the most important Hospitals, Infirmaries, in London and Provinces.

Unlike most of the machines offered to the trade, it is provided with a pressure-reducing valve, which effectively prevents any excess of pressure entering the machine, and also, what is most important, a perfectly regularly gassed product is obtained, which is impossible by the other machines mentioned.

The manufacture of Mineral Waters by means of this machine is so simple that any lad can learn the operation in a few minutes.

THE MACHINE IS SIMPLE IN ALL ITS PARTS.
NOT LIABLE TO GET OUT OF ORDER

Large or Small Quantities made at the Same Proportion of Cost.

Full Description and Prices sent Post Free.

BARNETT & FOSTER, 26T Eagle Wharf Road, **LONDON, N.**

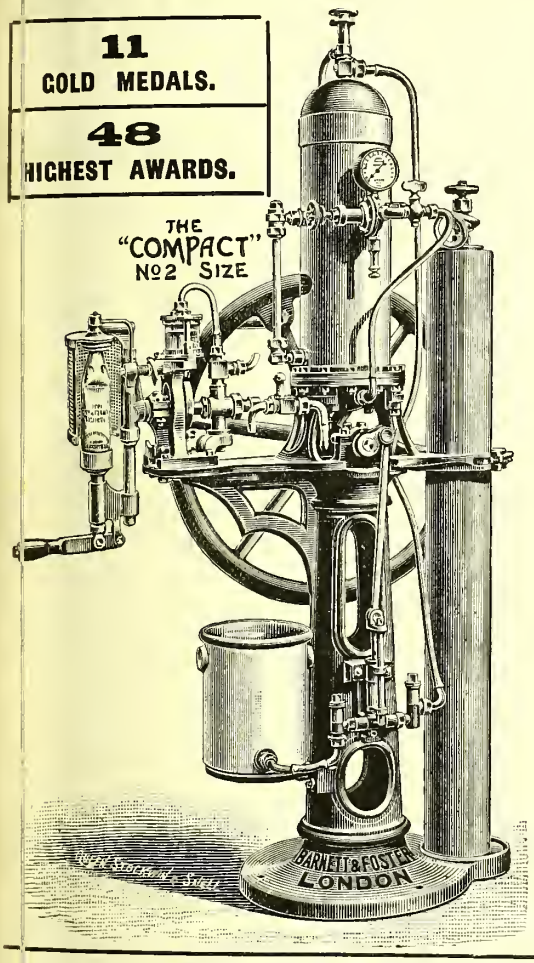
BARNETT & FOSTER

MANUFACTURERS OF THE

"Compact" Soda Water Machine

11 GOLD MEDALS.

48 HIGHEST AWARDS.



For use with Liquefied Carbonic Acid Gas.

Specially designed where space is an object, such as with Chemists, Hospitals, &c., &c.

READY FOR IMMEDIATE WORK.
REQUIRES NO FIXING.

Waters always of regular quality.

Produces Waters far superior to any other Machine for a similar purpose.

NO MESS. NO DANGER.

Used by the LEADING CHEMISTS of the Kingdom.

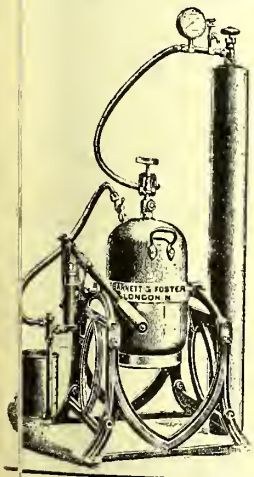
No. 1 Size.—(Producing by hand power 600 doz. large bottles per day, by steam power 1,200 doz. large bottles per day), including fast and loose pulleys for power, and fitted with our "Galway" Syphon Filler without syrup-pump **£57**

" Do. do. also Ideal Turnover Filling Machine for ball-stoppered bottles **£60**

No. 2 Size.—(Producing by hand power 350 doz. per day, by steam power 700 doz. per day), fitted with "Galway" Syphon Filler without syrup-pump **£45**

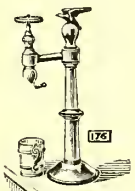
" Do. do. also Ideal Turnover Filling Machine **£48**

No. 3 Size.—(Producing by hand power 200 doz. per day), including "Galway" Syphon Filling Machine without syrup-pump, or Ideal Turnover Filling Machine ... **£33**



THE "CYLINDER" SODA WATER PLANT.

This is a cheap apparatus for use with Compressed Carbonic Acid Gas for serving Soda Water on the counter by means of the draught arm.



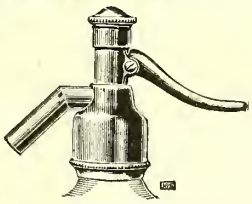
Prices from

£15

Complete.

THE "LONDON-MADE" SYPHON.

Pattern "A."



Pattern "C."

BEST BOHEMIAN CRYSTAL VASES.

Pure Tin Tops.

No admixture of Lead in any part of Syphon.

Tops Stamped Free on orders of 100
Vases Engraved " " 1,000

PRICE 18/- PER DOZEN.

Proportionate advance for larger sizes.

Pattern "C" Long Lever Syphons, **19/-** per dozen.

Carriage Paid quotations upon receipt of specification.

Illustrated Descriptive Catalogue of every requirement for the Mineral Water Trade on application.

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Telephone 522 (King's X). Reg. Cable and Tel. Address—"IDRIS LONDON." A.B.C. Code.

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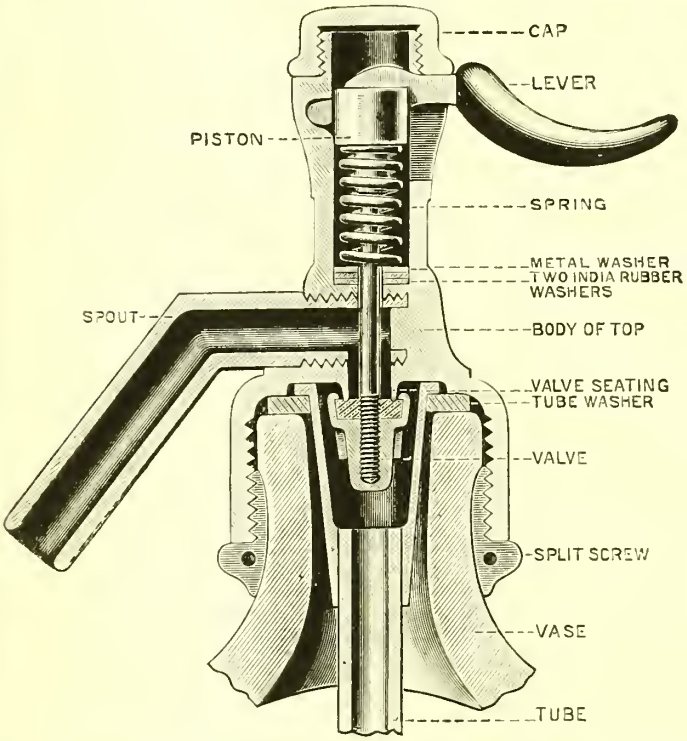
ENGLISH SYPHONS

The Finest Obtainable,

AND CERTAIN TO GIVE SATISFACTION TO ALL USERS.

These Syphons are in daily use throughout the World, and have been tested by actual use in all climates.



The internal working-parts are well proportioned and accurately adjusted. An examination will show that attention has been paid to all details, both of construction and manufacture.

The vases are especially made of a shape not easily chipped or disfigured at foot. The ultimate bursting-point of these vases is very high; they compare with others relatively as the tensile strength of steel to wrought iron.

Our Silver-plated Syphons are coated with a uniformly heavy deposit of silver of a well-tried thickness, the surface of which is exceedingly hard, smooth, and bright; the result is that our plating invariably gives long service and great satisfaction.

Trade Marks or the finest lines can be beautifully copied, with great distinctness, by our process of glass engraving.

Syphon buyers do well to note that we are manufacturers, not agents. Our "English Syphons" are manufactured, plated, engraved, and completely finished in our Works. We do not engage outside help for any process, and therefore can produce and guarantee uniformity of quality in our Syphons, for we pay very careful attention throughout to accuracy of detail.

WRITE FOR SAMPLES, PRICES, AND FURTHER PARTICULARS TO

Idris & Co., Ltd. English Syphon Manufacturers

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lephone
52 KING'S X'.

Reg. Cable and Tel. Address:
"IDRIS LONDON."
A.B.C. Code.

"THE BEST."

We pay careful attention throughout to accuracy of detail, thereby ensuring durability, having always recognised the fact that vessels required to withstand high pressures of 200 lbs. or more to the square inch must be of good material and excellent workmanship.

Idris & Co., Limited, are the largest English Manufacturers of Syphons, and carry the largest stock of Syphon Tops, Parts, and Vases in England.

"No. 1 English Syphons."

Accurate . . . . Fitting.

The pistons of our Syphons are fitted exactly in the centre of their bearings; in opening or closing they remain perfectly vertical, causing the valve always to fit evenly and truly on its seating; the indiarubber washers, therefore, having the least possible wear. Syphons in which the piston has a side action, allowing all the wear to come upon one side of the washer, quickly bring the metal of the valve into contact with the seating, causing leakage, loss, and annoyance.

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Liquid and Crystal Carbolic Acid.

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Prussian Blue, in Powder, Lump, and Paste.

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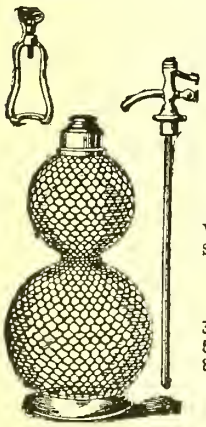

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PRIZE MEDALS AWARDED AT ALL THE EXHIBITIONS.

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EUGENE CÉRAUT & CO.'S LATEST

NEW PATENT SELTZOGENE

The Best Seltzogene Extant & Warranted.

Wear and Working Guaranteed. No more Screwing required. Tap cannot get corroded.

GREAT REDUCTION IN PRICE.

	Patent Wire.	Cane.
3-Pint..	11/-.....	12/-
5-Pint..	14/9.....	15/9
8-Pint..	22/6.....	25/-

Large Discounts allowed off for quantities.

SELTZOGENES & SYPHONS.

SYPHONS.

Best English Block Tin Tops and Ebonite Fittings, from 18/- per dozen.

HEADS of guaranteed quality.

VASES—Best Crystal and Colours.

PRICES ON APPLICATION.

CONTRACTORS TO HER MAJESTY'S GOVERNMENT

The Premier Manufacturers in the United Kingdom.

SOLE ADDRESS—

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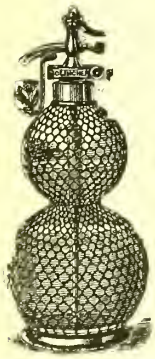

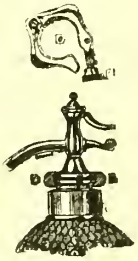

THE VERY LATEST AND BEST IN SELTZOGENES

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SUPERSEDES ALL OTHER SYSTEMS.

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ENGLISH MAKE—ONE QUALITY ONLY—THE BEST.

PLAIN OR PORCELAIN LINED HEADS.

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CHEMISTS & DRUGGISTS, ATTENTION!!

The Celebrated D. FÈVRE'S

SELTZOGENES

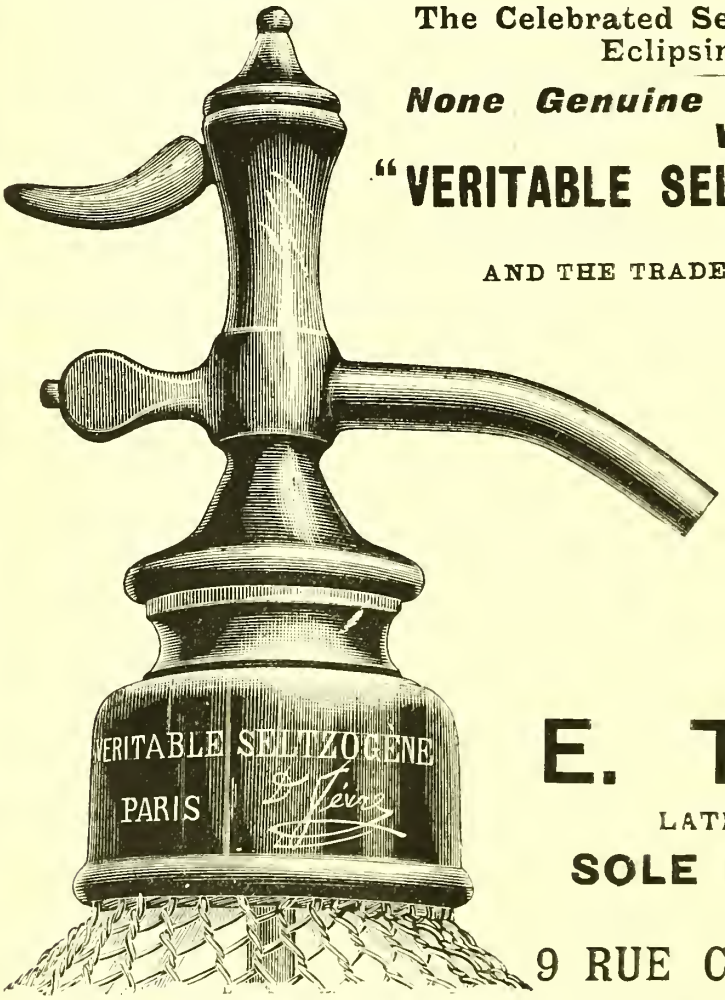
ARE

GUARANTEED TESTED

By 175 lbs. of pressure per square inch

THE TAPS ARE GUARANTEED

PURE BLOCK TIN WITHOUT LEAD



The Celebrated Seltzogene of D. FÈVRE
Eclipsing all others.

None Genuine unless bearing the Words

"VERITABLE SELTZOGENE D. FÈVRE."

AND THE TRADE MARK SIGNATURE, D. Fèvre

BEWARE OF IMITATION.

ALSO **SIPHONS** GUARANTEED TESTED.
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Taps, Pure Block Tin, without Lead,

E. THESSIER,

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Saccharin OF ALL STRENGTHS

Highest Possible Strength.—550 times sweeter than pure Cane Sugar. This strength is recommended in preference to any other.

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The Saccharin Corporation, Limited, are the owners of All Patents for the United Kingdom and Colonies for the commercial manufacture of Saccharin, and their Saccharin is the only Saccharin that can be purchased without ***risk of legal proceedings*** or the necessity of ***any indemnity.***

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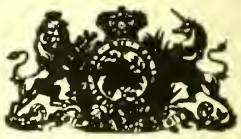

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9 GOLD MEDALS.

Sample Case Free to Chemist

IDRIS & Co., Ld.

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All Chemists

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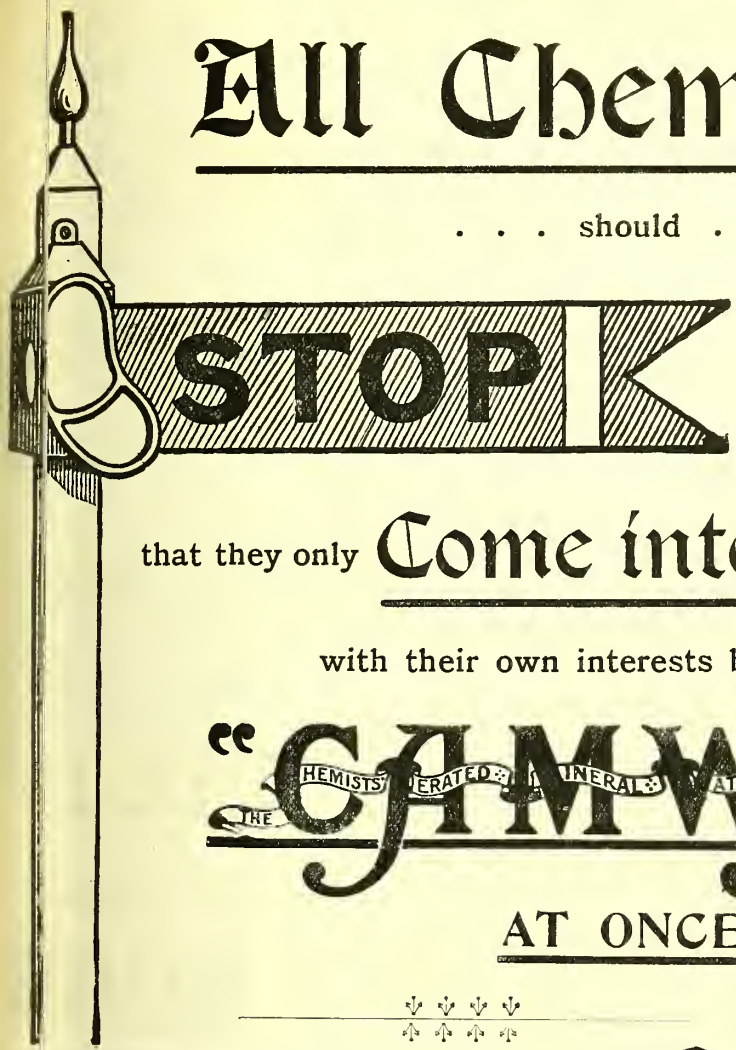

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"CAMWAL"
THE CHEMISTS' AERATED MINERAL WATERS ASSOCIATION LIMITED

AT ONCE.

The Busy Season
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Now is the time to

JOIN THE TRAIN

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Handsome Profits

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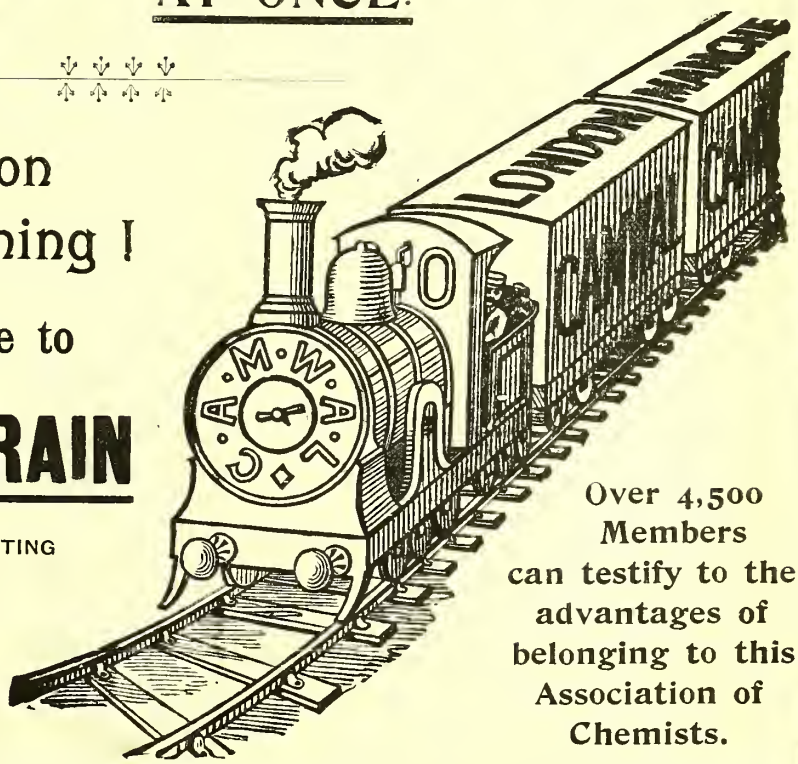
Increased Sales.



Over 4,500 Members can testify to the advantages of belonging to this Association of Chemists.

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For the treatment of CHRONIC GASTRIC CATARRH, HYPERÆMIA of the LIVER, GALLSTONES, CHRONIC CONSTIPATION, DIABETES, RENAL CALCULI, GOUT, and DISEASES of the SPLEEN.

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The *Powder* has the great advantage in not being affected by change of temperature or exposure to the atmosphere, and therefore in this form is the most reliable.

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(Water) in Cases of 50 bottles.

To avoid imitations, please see that THE WRAPPER round each bottle bears our signature

A Sample of the Salt in Powder Free to Members of the Medical Profession.

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PROCTOR'S Pinelyptus Pastilles

(Broncho-Laryngeal),

For the Voice, Throat, Chest, Asthma, Bronchial Affections, Catarrh, Hay Fever, &c.

Recommended by The Lord Bishop of Newcastle. Lord Charles Beresford, M.P., Miss Ellen Terry, Madame Sarah Bernhardt, Mrs. Lillie Langtry, Miss Olga Nethersole, &c., &c.

THEATRE SARAH BERNHARDT, PARIS.

"**Madame Sarah Bernhardt** begs you to send her two dozen boxes of PINELYPTUS PASTILLES, same as she uses so often with success for her Voice and Throat."

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PROCTOR'S PINELYPTUS PASTILLES

1/- and 2/6 per Box.

TRADE TERMS:—

1/- Size, 10/- per dozen; 2/6 Size, 25/- per dozen.

Carriage Paid and subject to 10 per cent. discount for cash with order.

The One Shilling Size are packed in handsome Show Boxes, containing 1 dozen.

N.B.—Proctor's Pinelyptus Pastilles are only sold on the understanding that full prices are maintained.

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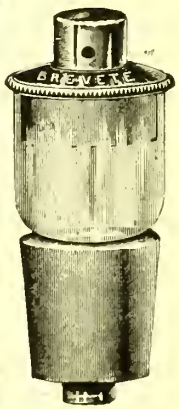
("AUTO-MEASURE KEMPER"

(AS ILLUSTRATED).

Made in Two sizes—Tea & Table Spoon

Retail Price, 4d. & 6d.

Can be obtained from the following Wholesale Houses:



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CARRIAGE PAID BOTH WAYS.

Scale	NO CUTTING OF PRICES PERMITTED. *Retail prices on application.*	NET TRADE PRICES for Cash with Order. * Cases and Bottles (returnable) charged extra as below. Per doz. Quarts	Per doz. Pints	Per doz. Nips	Per doz. Syphons	Per gall. in Case of 2 Jars	Per gall. in Case of 4 Jars	In Minimum Quantities of
	London and Suburbs, within radius of Carter, Paterson & Co., who deliver Full Goods and collect Empties free of charge	2/4	1/5	1/3	4/-	7d.	6d.	1 doz. Qts., 2 doz. Pts., doz. Nips, 1 doz. Syphons, 1 Case of 2 1-gall. Jars, 1 Case of 4 1-gall. Jars.
	Places distant from London							
A	Not exceeding 30 miles	2/10	1/11	1/6	4/6	8d.	8d.	3 doz. Qts., 6 doz. Pts., 12 doz. Nips, 3 doz. Syphons, 4 Cases of 2 1-gall. Jars, or 2 Cases of 4 1-gall. Jars.
B	Over 30 miles " 80 "	3/1	2/2	1/7	4/6	9d.	9d.	
C	" 80 " " 130 "	3/4	2/2	1/9	4/6	10d.	10d.	6 doz. Qts., 12 doz. Pts. 16 doz. Nips, 3 doz. Syphons, 4 Cases of 2 1-gall. Jars, 2 Cases of 4 1-gall. Jars.
D	" 130 " " 180 "	3/7	2/2	1/9	4/6	11d.	11d.	
E	" 180 " " 250 "	3/10	2/5	1/9	4/6	1/1	1/1	
F	" 250 "	4/1	2/8	1/9	4/6	1/3	1/3	

Single dozens 6d. extra.

* Deposit on Cases and Bottles (returnable) charged as follows :— 1 doz. Quarts, 3/-; 2 doz. Pints, 4/-; 4 doz. Nips, 7/-; 1 doz. Syphons, 26/-; 3 doz. Quarts, 9/-; 4 doz. Pints, 8/-; 6 doz. Pints, 12/-; Case of 2 1-gall. Jars, 4/6; Case of 4 1-gall. Jars, 9/-. These amounts are refunded when the Empties are returned in good order.

Certain places served by sea are excepted from the above rates, such as **Aberdeen, Belfast, Brechin, Cork, Dublin, Dundee, Edinburgh, Forfar, Glasgow, Kildare, Limerick, Londonderry, Montrose, Newbridge, Newcastle-on-Tyne, Perth, St. Andrews, Tipperary, &c.,** which are supplied at Scale E; **Isle of Wight, Jersey, and Guernsey** at Scale B; **Alderney and Sark** at Scale C.

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Do You Make Your Own Mineral Waters ?

NOT you should, for a great many Chemists, Hospitals, &c., are using our simple and most effective Plant, and producing splendid Aërated Waters. Write for List.

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BEAUFOY'S
EXTRACT of MEAT and MALT
WINE

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ORANGE WINE (Vin. Aurantii, B.P.), **COCA WINE, and QUININE WINE.**

A Handsomely-printed Brochure will be sent, Post Free, together with Prices and Samples, on application with Trade Card.

BEAUFOY & CO., SOUTH LAMBETH, LONDON, S.W.

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Known, after 25 years' test in the United Kingdom, as the most popular, safest, and best Natural Aperient Water, is now being supplied through the Distributing Wholesale Houses all over Great Britain and Ireland, at prices fixed by the Proprietor, Mr. Andras Saxlehner, of Budapest, Hungary, which are as follows:—

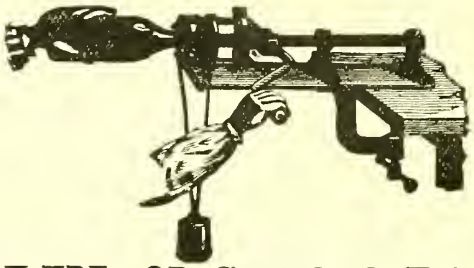
Per Case of	25 large bottles,	22/6	.....	Per dozen,	12/-
,, ,,	50 small ,,	35/-	.....	,, ,,	10/-
,, ,,	25 large ,,	21/-	Per 10-case lots.		
,, ,,	50 small ,,	32/-			

For net cash.

London Agency—TRAFALGAR BUILDINGS, CHARING CROSS, W.C.

NEW CAPSULING MACHINE

The only Machine which leaves no crease or pleat on the Capsule.



Can be fixed to any Counter. A single pull of the lever is sufficient to fix the Capsule.

Patentee—C. MELIN, 37 Crutched Friars, LONDON, E.C.

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MAKERS OF MEDICATED LOZENGES AND JUJUBES

B.P., T.H. Ph., and General Proprietary Lozenges. Decorated Tin Cartons of 1 and 4 lbs. Linseed, Licorice and Chlorodyne—a Speciality. Finest Gum Jujubes and Pastilles—Glycerine and Black Currant, &c. Granular and all Effervescing Preparations. Boiled Sugars, Floral Tablets.

SEND FOR LIST, SAMPLES, AND COMPARE.

Telephone 235. Telegrams "GUESTO."

NO BAD STOCK.

Or nal 6-doz. Case, £10 19s. % Discount off 6-case lots.

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SANTAL-MIDY CAPSULES. olesale - a doz. Retail, 3/6 per bottle.

FRANZ JOSEPH WATER. Per doz. Large. 12/-. Small. 10/-. Original Case. 25 Large. 22/6. 50 Small. 35/-.

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Th above Specialities are being largely advertised, and inquiries are certain to be made for them. All Chnists are strongly recommended to keep them in stock. To **remove all risk, WILCOX & CO.** gu antee, in remote event of non-sale, to credit unsold goods if returned through Wholesale House in the usual way. (Franz Joseph Water can only be credited if purchased direct from W. & Co.)

WICOX & CO., 83 MORTIMER ST., LONDON, W., Depôt for all FRENCH AND GERMAN PROPRIETARY MEDICINES.

TWO ✱ GOOD ✱ LINES.

PROTECTED PROFITS 30 PER CENT.

MINIMUM SELLING PRICE.

HLL'S WINE, PER CASE (1 doz.) ... 27/- ... 3/- Per Bottle.

" " " (2 doz.) ... 31/- ... 1/9 "

KYSTONE BEEF WINE—The ONLY Wine Prepared with The Liebig Co.'s Extract.

" " " PER CASE (1 doz.) 30/- ... 3/3 Per Bottle,

" " " " (2 doz.) 34/- ... 2/- "

Both these Preparations are well Advertised.

ATTRACTIVE WINDOW DISPLAYS

SENT FREE AND CARRIAGE PAID.

Handbills, Pamphlets, and other printed matter, with own name and address.

Also ARTISTIC SHOWCARDS and DUMMIES FREE, on application to Proprietors—

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HIGHEST AWARD AT THE INTERNATIONAL EXHIBITION, LONDON, 1886
TRADE MARK, Registered May 21st, 1867.

MILD DRINKS.
Cherry. Raspberry. Strawberry. Lime Fruit. Black Currant. Lemon. Orange. Lemon Squash, &c.

THE PIONEER TEMPERANCE BEVERAGES.—*Ch. Eng. Temp. Chron*

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TRADE MARK W.B.

HOT DRINKS.
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"First-class beverages."—*The Grocer.*
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A supply of Pure Water for Manufacturing Purposes is obtained from rain-water by using the

MAWSON CARBONIFEROUS SAND FILTER

THE GALOS FILTER WORKS, 137a Pilgrim Street, NEWCASTLE-ON-TYNE.

The Budget

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We were fortunate in clearing a large quantity previous to the declaration of above, and shall NOT advance prices *at present*; the quality will be maintained as hitherto. We are still taking out LICENCES for those who are waiting for them and anxious to take up our Agencies. Our Price List is at your command on receipt of Postcard.

MAKERS AND PROPRIETORS OF
HOLLOWAY'S Coca Wine (Vinervo) and
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Price List, Booklets, Window Tickets, Showcards, &c., Free.

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"A BOY CAN PUSH A MAN'S LOD"

By using a smart Parcel Cart to deliver your goods you advertise in the cheapest and most effective manner, and therefore increase your sales.

LIGHT DELIVERY CARTS WITH AERATED-WATER RACKS Specially Constructed for Chemists.

CATALOGUE FREE on application.

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PARCEL CART & INVALID CARRIAGE MAKERS
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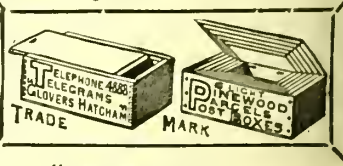
"A CAPITAL IDEA!!"

Said friend JONES, the GO-AHEAD CHEMIST. "I'VE DOUBLED MY TRADE last year since I commenced packing all my customers' prescriptions in Glover's small wood boxes."

And JONES CHUCKLED!!

WOODEN BOXES ALL SIZES MADE TO ORDER



PRICE 16/.

"CAPITAL, INDEED"!!!

Said the Colonial Shipper. "Those light nested boxes, shipped in cases (each containing ½-gross nests), are just what is wanted, and I am getting repeat orders doubled. We are all indebted to the Makers."

Messrs. C. H. GLOVER & CO., London Boxworks and Saw Mills, HATCHAM, LONDON, S.E."!!

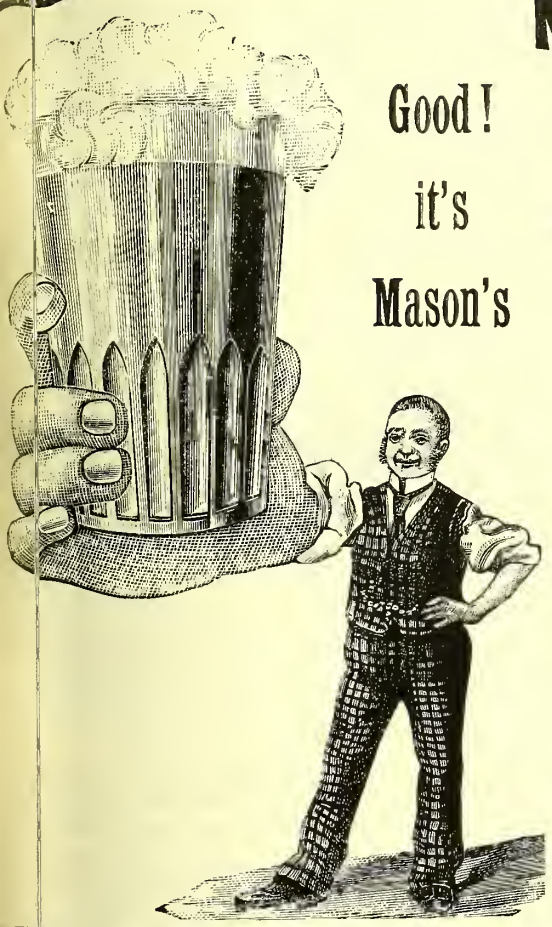
MASON'S EXTRACT of HERBS

Makes the Finest Beverage in the World.

FOR MAKING

NON-INTOXICATING BEER

IMITATED, BUT NOT EQUALLED.



Good! it's Mason's

A 6D. Bottle makes 8 Gallons Prime Beer.

Non-Intoxicating.

INVENTORS & MANUFACTURERS—

NEWBALL & MASON,

NOTTINGHAM.

3½d. MASON'S CRYSTALS FOR LEMONADE.

These Crystals are prepared by
NEWBALL & MASON, Nottingham.

Inventors of { Mason's Extract of Herbs. Mason's Coffee Essence. Mason's Wine Essences.

Samples and Prices on Application.

ROBINSON'S ORIGINAL

CONCENTRATED WATERS.

ESTABLISHED 1855.

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

Aqua Amygd. Amar. Conc. (U.S.)	4/- per lb.	Aqua Cassiæ Conc.	4/- per lb.	Aqua Menth. Virid. Conc.	4/- lb.
" Anethi, Concent.	4/- "	" Flor. Aurant.	8/6 "	" Pimentæ "	4/-
" Anisi "	4/- "	" " Sambuci Conc.	8/6 "	" Pulegii "	4/-
" Camphoræ "	4/- "	" Fœniculi Conc...	4/- "	" Rosmarini "	4/-
" Carui "	4/- "	" Menth. Pip. Conc.	4/- "	" Rosæ "	8/6
" Cinnam. Ver. Conc.	6/- "	" " Ang. Conc.	8/- "	" " Virgin "	10/6

The above may be had in ½-lb. or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.

Each Bottle has the Inventor's Protection Label over the cork, without which none are genuine.

SUPERIOR ORANGE WINE (Vin. Aurantii, B.P.)

Samples of any of the above sent free on application from

B. ROBINSON, Distiller and Brewer of British Wines, Church Street. PENDLETON, MANCHESTER.

SYMONS & CO.'S Devonshire Cyder & Wines

Specially prepared for the Home & Export Trades.

BOTTLING AGENTS AND THE TRADE SUPPLIED ON LIBERAL TERMS.

CYDER IN WOOD.

	Per Gall. s. d.
Imperial Cyder (Specially prepared)	1 9
Apple and Blossom Cyder	1 6
Champagne Cyder	1 4
Sweet Draught	1 8
Medium Draught	1 8
Superior Dry Draught	1 2
Symonia (Non-Alcoholic)	1 0
Sydrina (Non-Alcoholic)	1 0

Casks charged and allowed for if returned within two months, in good condition, to same address as sent from, and advised by post.

Terms, Delivery, &c.

A Discount of 2½% will be allowed for Cash with Order. Accounts sent out Monthly.

Cyder, Perry, Symonia, and Sydrina are sent out in Cases containing 3-dozen Quarts, or 4-dozen Pints, and Casks of 14, 20, 30, 40, 60, and 116 Gallons.

Symonia and Sydrina in ½-pints, Cases of 6 dozen.

Sparkling Wines, 1 dozen Large, or 1 dozen Half-Bottles.

Prices include Bottles, but Cases are charged 1/6 per dozen extra, and allowed for if returned Carriage Paid, in good condition, within one month.

Carriage Paid to any Railway Station in England and Wales.

TRADE DISCOUNTS ON APPLICATION.

JNO SYMONS & CO LTD.
Totnes & DEVON,
& Ratcliff, LONDON. E.

CYDER AND WINES IN BOTTLE.

Bottles Free, and Carriage Paid.

	Per Doz. Bottles s. d.
Imperial Cyder (Extra Dry). Gold Foil.	0
Apple and Blossom Cyder (Sweet or Dry). Silver Foil.	6
Champagne Cyder (Medium Dry). Red Label.	6
Symonia (Non-Alcoholic) ½-Pt	0
Sydrina (Non-Alcoholic) do.	0
Imperial Perry	6

2/- extra per Two Dozen Half-Bottles.

"ROYAL EXCELSIOR" SPARKLING WINES.

Pale Dry Creaming (Champagne Style).	0
Devonshire Chablis	0
Devonshire Hock	0
Devonshire Moselle (English Rhine Brand).	0

3/- extra per Two Dozen Half-Bottles.

Symonia and Sydrina are the best Temperance Drinks of the day, and should be sold by Chemists.

Our Local Bottling Agents can often reduce prices in Bottle by importing in Wood, thus saving the extra Carriage &c.

Instructions for Storing &c.

On receipt of the case of Cyder, unpack, and stand the bottles in an upright position in a cool cellar of from 50 to 60 degrees temperature, to settle down and return empty cases to us; or, if wanted for immediate use, in a temperature of 60 degrees, when it will get into condition, and will come out an effervescing, delicious drink, healthful and invigorating without being heady. If a dry Cyder is required, keep twelve months or more in bottle. *Wines must be laid down.*

FRUIT MILLS, TOTNES, DEVON, ENGLAND

R. J. FULLWOOD & BLAND'S

Estab. 114 Years. Estab. 114 Years.

OLEO BUTTER COLORINE

TRADE MARK.

A much-improved vegetable Butter Colour, manufactured from pure Annatto only.

Beware of imitations, and see that the capsule bears the above Trade Mark.

Sold in Jars — 1 gallon, ½ gallon, quart, pint, ½ pint, and ⅛ pint. Also in Glass Bottles, 1/- and 6d. each, and in bulk.

ESSENCE of RENNET

FOR MAKING JUNKETS, CHEESE CAKES, CURDS AND WHEY, &c.

Sold in Glass Bottles, 1/- and 6d. each, and in bulk.

JUNKET TABLETS.

Sold in Boxes, containing 2 dozen tubes. Each tube contains 20 tablets, sufficient to make 20 quarts of Junket. 7/6 per Box net.

Samples and further particulars supplied on application to our sole address—

STEAM ANNATTO WORKS, 31 BEVENDEN STREET, HOXTON, LONDON.

REGISTERED TRADE MARK · TEA · LIMITED · STRENGTH · LONDON · 5 Jewry Street, London, E.C.

TOWER TEA.

The Best and the Cheapest in the World at the Price.

In ¼, ½, and 1-lb. Packets only, to Retail at 1/-, 1/2, 1/4, 1/6, 1/7 1/8, 1/10. 2/-, 2/4, 2/8 per lb. Also in Handsome 1-lb., 3-lb., and 5-lb. Decorated Tins, to Retail at 1/10, 2/-, and 2/4 per lb.

Agents appointed by

TOWER TEA, LIMITED, 5 JEWRY STREET, LONDON, E.C.

LIME JUICE AND LIME JUICE CORDIALS.

Large buyers are advised to send particulars of their requirements to

IDS & CO., Ltd., Pratt Street, CAMDEN TOWN, N.W.

For CLEANING PLATE.

BRADLEY & BOURDAS'S

ALBATUM or WHITE ROUGE

(REGISTERED AS A TRADE MARK)

For CLEANING GOLD, SILVER, and PLATED GOODS.

A trial is only needed to prove its superiority over other Plate Powders in use. Chemists will find it to their advantage to recommend this Powder, as when it is once tried it is always continued to be used.

Sold in Boxes at 1s. and 2s.; Tins, 6s.

48 BELGRAVE RD., & 6 PONT ST., BELGRAVE SQ., LONDON, S.W.

ABSOLUTELY PURE LIGHT

Carbonate of Magnesia

IN FINE POWDER,

For Technical Purposes, Boiler and Steam-pipe Covering,

Printing Ink and Dynamite Manufacturing, &c.

APPLY FOR PARTICULARS TO

SCHOELLKOPF, HARTFORD & MACLAGAN, LTD.,

100 William St., NEW YORK, U.S.A.,

SELLING AGENTS FOR

THE AMERICAN MAGNESIA COMPANY.

CAUTION!

"YORKSHIRE RELISH."

In the High Court of Justice
Chancery Division.

WILLIAM POWELL (trading as Goodall, Backhouse & Co.)

v.

MAY & CO.

NOTICE is hereby given that on the 24th day of February, 1899, the Hon. Mr. Justice Kekewich ordered that the Defendants their servants and agents be restrained until judgment in this Action or further order from in any manner using or applying the words "YORKSHIRE SAUCE" or "YORKSHIRE RELISH" as descriptive of or in connection with or in respect of any Sauce or Relish manufactured by them or not manufactured by the Plaintiff without clearly distinguishing such Sauce or Relish from the Sauce or Relish of the Plaintiff And from describing any such Sauce or Relish as aforesaid as "THE ORIGINAL YORKSHIRE" SAUCE OR RELISH and from selling or offering or exposing or advertising for sale or procuring to be sold any such Sauce or Relish as aforesaid under labels or wrappers or enclosures or otherwise to be calculated to represent or lead to the belief that such Sauce or Relish is the Sauce or Relish of the Plaintiff and from selling or supplying any such Sauce or Relish as aforesaid in response to orders for "YORKSHIRE RELISH" or for the Sauce or Relish of the Plaintiff and from in any manner aforesaid or in any other manner passing off or enabling or assisting others to pass off any such Sauce or Relish as aforesaid as or for the Sauce or Relish of the Plaintiff.

Dated this 9th day of March, 1899.

J. Seymour Salaman,
65 & 66 Chancery Lane, London,
Solicitor for
Messrs. Goodall, Backhouse & Co.,
Leeds, Yorkshire.

HAWKSLEY'S
PATENT
MILK STERILIZERS (4 kinds)

"Not the least of their many good points is the readiness with which people . . . learn to use these Sterilizers. The credit must be assigned to the simplicity of the apparatus."

SEND FOR ILLUSTRATED PAMPHLETS

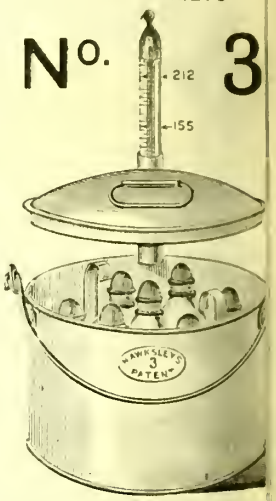
No. 1. Price, in Box with Extra Bottle, 1 pint, 10.6; 1½ pint, 12.6.

No. 2. Price, in Box of 2 bottle apparatus, with spirit Stove and extra bottle, £1 5s.

No. 3. Price, in Box with Food Warmer and Brush, 7 bottles, 15.-; 10 bottles, 21.-. With Trivet and Spirit Lamp, 3.- and 3.6 extra.

No. 3 is a modification of Dr. Budin's method of feeding Infants, suggested in the *British Medical Journal*, Dec. 7th, where each dose of food is in a separate bottle. One operation being sufficient for one day's consumption.

No. 4. Same arrangement as No. 3, but with larger (8-oz.) bottles for vigorous feeders. Price £1 1s.



See Winter Number, page 99.

May be had through any Wholesale House or direct from Sole Maker and Patentee—

HAWKSLEY, SURGICAL INSTRUMENT MAKER,
357 OXFORD ST., W.

CHEMISTS

Who stock "FRAME FOOD" DIET and "FRAME FOOD" JELLY, but obtain their supplies through the Wholesale Houses, are requested to send their address to the Frame Food Co. (Ltd.) for insertion in the Company's List of Retailers.

The Frame Food Co. will then refer applicants for free samples (many thousands of which applications they receive) to such retailers for further supplies of F. F. Diet or Jelly.

SHOWCARDS, and Leaflets with Retailer's Address printed in red, sent free on application.

Mention this Paper.

TRADE MARK
FRAME FOOD CO. LD.
BATTERSEA, LONDON, S.W.

ROMMS VEGETABLE EXTRACT.

	Trade Price.		Retail at
oz. size	6/3	Per Doz. ...	7½d.
„	10/10	„ ...	1/1
„	19/9	„ ...	2/-
„	33/-	„ ...	3/6

MINIMUM Profit
RESERVED TO
THE RETAILER,
20%

"FROMMS" VEGETABLE FOOD SPECIALITIES

HAVE BEEN AWARDED 26 GOLD MEDALS AND PRIZES.

SPECIAL.
Until further notice, we offer the following:—
EXTRA DISCOUNTS.
n Orders of £3 and upwards, discount of 2½%
„ £5 „ „ 5%
„ £10 „ „ 7½%
All Goods are invoiced for Monthly Account nett.
Carriage Paid on Orders of 20/- and upwards.
rinted Matter and Show Cards Free on Application.
Billheads are desired, send specimen of one in use.
No Charge for printing Name and Address.

"FROMMS" VEGETABLE SOUP TABLETS
4 VARIETIES
- Pea.
- Green Vegetable.
- Vegetable Mock Turtle.
- Vegetable Ox Tail.

Retail at 2½d. per Tablet.
Trade Price, 24/- per Gross (Assorted).

ROMMS, VEGETABLE FOOD SPECIALISTS, 5 WHITE STREET, LONDON, E.C.

IT WILL PAY YOU TO PUSH COOMBS' MALTED FOOD
for Infants and Invalids.

IARDS.
2
COLD
EDALS.

Recommended by the Medical Faculty and Leading Analysts.
See Drs. Goodfellow's and Granville H. Sharpe's Reports.

Bers a good profit, and is only supplied to those who agree to sell at full advertised prices.
TERMS ON APPLICATION.
COMBS' "EUREKA" AERATED FLOUR CO., LTD.
nton Boulevard, Nottingham, & 8 & 8a Farringdon Road, London, E.C.

Proved Products of 170 years' reputation.

FRY'S
COCOAS & CHOCOLATES.
Price Lists, &c., on application.
TELEGRAPHIC ADDRESSES—
"FRY, BRISTOL." "FRYSON, LONDON."
250 GOLD MEDALS AND DIPLOMAS.

TEE-TO-TUM TEAS
ARE OF
EXCEPTIONAL VALUE.
PRICES—
11d., 1/1, 1/4, 1/6, 1/8, 1/10, 2/- per lb.
In ¼-lb., ½-lb. and 1-lb. Packets, and 5 7, or 10 lb. Tins.
AGENTS APPOINTED.
WRITE FOR TERMS TO
OTTO THOMAS, LIMITED, Proprietors of TEE-TO-TUM TEAS,
Head Offices and Duty-paid Stores,
27 & 28 WHITECHAPEL ROAD, LONDON, E.

DR TIBBLES' F-Cocoa

"Undoubted Purity and Strength."—*Medical Magazine.*

"In the front rank of really Valuable Foods."—*Lancet.*

PERFECTLY PURE BUT NOT INSIPID

FAVOURED BY THE HOMES AND HOSPITALS OF GREAT BRITAIN.

CONCENTRATED

PEPTONISED COCOA AND MILK

AND

CONCENTRATED PEPTONISED MILK.

These two preparations are made with pure rich PRE-DIGESTED Country Milk, and, by mere dilution with hot water afford a delicious restorative beverage, the assimilation of which requires no digestive effort.

SAVORY & MOORE, LONDON.

Tins, 2/6. Half-tins (samples), 1/6. Obtainable Everywhere.

van Houten's Cocoa

The "BRITISH MEDICAL JOURNAL" says:—

"It is admirable." "Perfect in flavour." "Pure and well prepared."

BAILEY'S

SUSPENSORY BANDAGES.

A. B. C. SYSTEM.

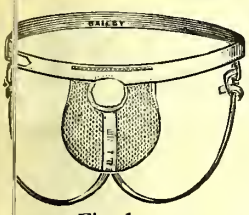


Fig. 1.

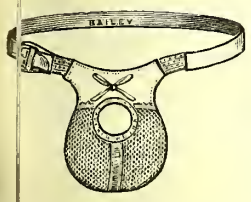


Fig. 2.

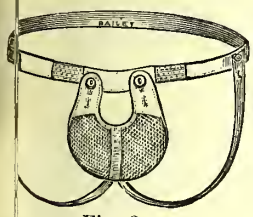


Fig. 3.

The large and increasing number of orders from abroad proves the truth of

What "THE CHEMIST AND DRUGGIST" says:—

Every retailer knows what a worry it is to get a customer suited with a bandage when it has to be picked out of a drawerful of all sizes. Messrs. Bailey's system is to mark every bandage with a number and letter—4B, for instance. By referring to the list, one finds that No. 4 is so-and-so, and the letter B indicates the size. If B is too large, A can be supplied; if too small, then size C. In the case of hydrocele, where a continually increasing size is necessary, it will be seen how very convenient this system is for ordering. Apart from that, there is the convenience in stocking the bandages. Each one is put up in a neat slide-box, labelled at one end with the size and style, thus:—

To repeat quote No., 4B SILK. So that they are easy to pack away, easy to fit, and easy to sell, while the quality is excellent.

Cabinet of two dozen assorted, 30/-. USUAL DISCOUNT.
Containing six each, at 8/-, 10/-, 18/-, 24/- per dozen.

PRICE LIST. SPECIAL TERMS TO SHIPPERS.

		PER DOZ.
No. 0.	Cotton Bag, twill bands	7/-
„ 1.	As Fig. 1, Cotton Bag and Tape Under-straps	8/-
„ 2.	As Fig. 2, Cotton Oxonian, with drawing strings to contract the bag ...	10/-
„ 3.	Silk Bag and Tape Under-straps, Fig. 1	20/-
„ 4.	Silk Oxonian, with drawing strings to contract the bag, Fig. 2	18/-
„ 5.	Silk Oxonian, bag bound with Elastic, Fig. 2	24/-
„ 6.	Silk Oxonian, superior quality, bands of buff jean, with drawing strings to contract the bag	24/-
„ 7.	Silk Bag to button on, with tape under-straps	22/-
„ 8.	As Fig. 3, Silk Bags to button on, with under-straps to button	24/-
„ 9.	Silk Bag to button on, with under-straps, bands and under-straps entirely of silk elastic, $1\frac{1}{4}$ inch wide	33/-

Nos. 2 and 4 are in greatest demand.

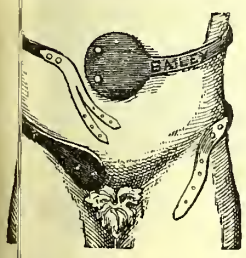
BAILEY'S

WASHABLE TRUSSES.

CHEAP AND DURABLE.

Most suitable for Export. Special Terms to Shippers.

For INGUINAL, SCROTAL and UMBILICAL HERNIA.
„ INFANTS. THE BATH.
„ SEA BATHING. HOT CLIMATES.



N.B.—"No good result can be obtained from any Truss while the daily bath is taken without one. To effect a cure, the rupture must never be allowed to come down."

For Inguinal Hernia.

		SINGLE.	DOUBLE.
Infant's sizes, 10 to 20 inches	per dozen	48/-	72/-
„ „ 20 to 27 „	„	60/-	90/-
Adult sizes, 28 to 40 „	„	78/-	120/-

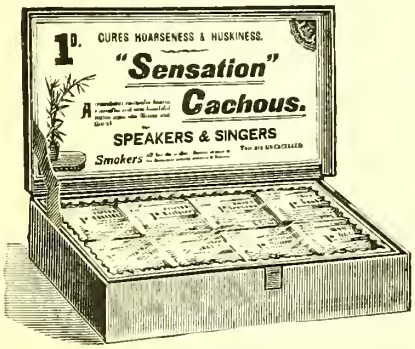
Inguinal Trusses kept in stock. Other kinds at a few days' notice.

Special Prices for quantity.

W. H. BAILEY & SON, 38 OXFORD ST., LONDON, W.

Telegrams—"BAYLEAF," LONDON. Telephone No. 2942 (Gerrard).

Specialities in CACHOUS



Sensation Cachous.

The popular American variety. Exquisitely perfumed.

On $\frac{1}{4}$ gross Cards, and in $\frac{1}{2}$ gross Glass-top Boxes, 7/- per gross.

$4\frac{1}{2}d.$ Screw-top Bottles, 2/9 per dozen, or 30/- (net) per gross.

Customers' own Name and matter put on the 4d. Bottles Free on orders 1 gross and upwards.

The Royal Japanese Cachous.

A VERITABLE CACHOU DE LUXE.

Put up in beautifully-designed envelopes printed in colours, and packed in handsome $\frac{1}{2}$ gross Boxes. The Cachous have a distinct and delightful flavour, and cannot fail to become popular favourites.

In 2*d.* Packets. Price, 14/- per gross.

With FIRST ORDER for one gross, we send a Japanese Figure Free and a supply of Free Samples

Japanese Pot Pourri Jars.

A novel antique Japanese Jar filled with delicious Pot Pourri. Created a sensation at the Chemists' Exhibition when exhibited.

Price, Large Jars (retail 2/6)	...	...	1/6 each.
,, Medium Jars (retail 2/-)	...	...	1/3 ,,
,, Small Jars (retail 1/-) ...	...	...	8/- doz.

The *Chemist and Druggist* in issue August, 1898, says:—"The least covetous of persons might envy the possession of one of these jars."

POTTER & CLARKE, Wholesale Druggists, 60, 62, & 64 ARTILLERY LANE, LONDON,

3 BUSINESS OPENINGS

ONE

PRINCE ALBERT'S CACHOUX

Highest Award,
Columbian Exposition,
Chicago, 1893.

These Cachoux are supplied only in Brass Boxes, of which there are three sizes.

No. 4's at 3/6 doz. (*Export*).
No. 5's at 4/- doz. (*Home Trade*).
No. 6's at 7/- doz.

SUBJECT TO TRADE DISCOUNT.

TWO

JACKSON'S BENZINE RECT.

SIXPENNY AND SHILLING SIZES.

4/- and 8/- per doz.

For taking out GREASE, OIL, PAINT, TAR, &c., from CARPETS, CURTAINS, CLOTHES, DRAPERY, DRESSES, be the Material Cotton, Linen, Silk, or Wool, or the Texture Fine or Coarse.

THREE

CHINESE DIAMOND CEMENT.

SIXPENNY AND SHILLING SIZES.

3/6 and 7/- per doz.

RETAINS ITS VIRTUE IN ANY CLIMATE.

UNEQUALLED for MENDING BROKEN CHINA, GLASS, or POT.

THOMAS JACKSON,

STRANGEWAYS, MANCHESTER.

A WONDERFUL GROWTH!!!

The Old Country's Premier Cure for that prevalent ailment, Headache, is the handy-named, smartly-pushed **DAISY.** Established about 4 years ago it now floats on top, and reigns supreme. The first year we sold 500,000 Daisies, the second 2,500,000, the third year 6,000,000, and sales have since reached the enormous figures of 12,000,000 Daisies in 12 months. Daisy occupies two large factories with private wire between, owns fifty registrations in various parts of the world, and holds patents protecting advertising devices. We have agencies in almost every colony, a direct branch office in New York, and have sent Daisy to almost every civilised country of the world. *See next page.*

DAISY, Limited, THE TWIN DAISY WORKS, **LEEDS**

Telephone 1990. Telegrams—"Daisy Leeds."

American Office—265 WEST BROADWAY, NEW YORK, U.S.A.

Australian Agencies—AUSTRALIAN DRUG CO., SYDNEY; FAULDING & CO., ADELAIDE; LANGLEY & CO., MELBOURNE.

ORDERS POURING IN LIKE A FLOOD ! ! !

We are just now further behind our orders than we have ever been at any time this year. Yet we have just laid down a new line of shafting, started more plant, engaged new hands, and are pushing forward new effort with every exertion. Hoping soon to catch up, we are widely extending our advertising, and intend to keep right on spreading until we feel satisfied, which won't be yet.

We sell you an article that ***sells***. Our immense factories prove that. We advertise in your own lists, almanacs, or other publication. We make mutual arrangements with you to distribute half-price tickets and sometimes free coupons. We supply you with printing matter, one side advertising your own specialities, the other side ours, at the price of the paper only, and pay the carriage too. We supply high-class art chromos by the best houses, guaranteed to grace any pharmacy, and forward supplies of coins, Daisy Wafers, etc., etc., free. *See next page.*

DAISY, Limited, THE TWIN DAISY WORKS, LEEDS.

Telephone 1990. Telegrams—"Daisy Leeds."

American Office—265 WEST BROADWAY, NEW YORK, U.S.A.

Australian Agencies—AUSTRALIAN DRUG CO., SYDNEY; FAULDING & CO., ADELAIDE; LANGLEY & CO., MELBOURNE.

[*Copyright.*]

DRAW CROWDS TO THE WINDOW.

We will lend you an attractive moving figure, with a full supply of curtains, moss or paper shavings, grasses, &c., &c., and send easy directions how to set out a unique show, advertising not only **DAISY** but your own lines as well. We will print literature with your name and address at foot, gratis and carriage free. We are in business for business, and business for us is no joke. We aim to *make you sell*, for your success is ours, and your interests ours. *It pays an enterprising man to act with us*, for cash is what we are wanting to put in his till.

All we require for each and all the above facilities is an order of moderate dimensions. Pick out what you want and state it on a postcard. We will at once reply what goods we want you to take, and if we can't fix up an arrangement it shan't be our fault. We help ourselves best by helping our agents first.

DAISY, Limited, THE TWIN DAISY WORKS, **LEEDS.**

Telephone 1990. Telegrams—"Daisy Leeds."

American Office—265 WEST BROADWAY, NEW YORK, U.S.A.

Australian Agencies—AUSTRALIAN DRUG CO., SYDNEY; FAULDING & CO., ADELAIDE; LANGLEY & CO., MELBOURNE.

HOW OUR FRIENDS PROVE OUR STORY!!!

M T. H. Wayward, Chemist, Torquay, writes:—

"The wheel was a *great attraction*, and has improved the sale immensely. All classes are now buying the **DAISY**."

M A. E. Kent, Chemist, Ramsbottom, writes:—

"The show is causing a *great sensation*."

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The leading trade paper, *The Chemist and Druggist*, asked in a voting competition, "Which is the most pular proprietary article?" and again, "Vote for the article which has your best wishes." In both co petitions **DAISY** was voted to the top of the poll, by a majority of over three hundred per cent and ov one hundred per cent. respectively.

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APRIL ISSUE
CONTAINS NOTES ON
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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859.

Subscription, 10/- a Year, Post Free to any part of the World. Single Numbers 4d per copy. Summer and Winter Numbers, 1/- each.

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In our recently re-arranged offices we have made provision of a room with desks, works of reference, and a file of THE CHEMIST AND DRUGGIST *for the convenience of subscribers to this journal, especially for those resident abroad or in the provinces when they may be visiting London on business.*

Catalogues and price-lists issued by houses connected with the drug-trade are kept on file, and may be consulted; and we also suggest that this provision may be useful to employers who may wish for a central place to meet assistants whom they wish to see before engaging. We have also a room capable of accommodating twenty or thirty persons, which we shall be glad to lend free for suitable trade-meetings; but we shall be obliged if subscribers who wish to avail themselves of the latter offer will advise the Publisher in advance. The Catalogues can be consulted any day from 10 A.M. *to* 4 P.M., *and on Saturdays up till* 12.30.

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Circulars and Price-lists.

HOW TO DISTRIBUTE THEM TO THE DRUG-TRADE.

MANY of the best advertisers in the drug-trade have endorsed our view that it is more effective as well as cheaper to distribute circulars and price-lists stitched up in THE CHEMIST AND DRUGGIST than sending them singly by post. We make such insets in the *C. & D.* notable by the fact that we only receive them twice a year for distribution, and, of course, we ensure that they get into the hands of the right people. Sending them singly by post is more or less (principally "more") a lottery, gives immense office trouble, and costs at least three times more than our charge for inserting them in the *C. & D.* We would advise those who think of the matter to write to our Publisher for particulars about the next distribution—the Summer number, July 29, 1899. He will not only give particulars about the charges, but what artistic assistance he can in designing or arranging insets. The date is two months distant, but near enough for prompt instructions to printers.

Summary.

FOR NEW PHOTOGRAPHIC IDEAS see p. 808.

NEW POISON-REGULATION IDEAS are figured on p. 813.

THE VALENTINE MEAT-PREPARATIONS' DISPUTE is still unfinished (p. 823).

AN OLD EXAMINER sends us some strange stories about pharmaceutical candidates (p. 816).

TRADE WITH EGYPT is worth the careful attention of British houses. Facts about it are given on p. 819.

FURTHER COMMENTS BY DOCTORS on the spheres of physician and pharmacist are referred to on p. 820.

MR. E. DOWZARD thinks that the B.P. is inconsistent in regard to many of its tests, especially for oils (p. 814).

FIFTEEN ENGLISH PATENTS are epitomised on p. 809. They are on matters chemists and druggists should look to.

MR. W. H. BRAZIER reports that some samples of the "best saffron" contain excessive amounts of alkaline salts (p. 815).

A CHEMIST has to pay 5*l.* damages for a supposed error on the part of his son in giving some other oil for castor oil (p. 824).

THE DEVELOPMENT of Messrs. Ayrton & Saunders's sundries business is illustrated by sketches of their new premises (p. 810).

AT ST. HELENS, on May 13, about 150 tons of potassium chlorate exploded, causing fearful damage, of which pictures are given on p. 807.

SOMERSET-HOUSE CHEMISTS have given their opinion on a Holloway oil-of-juniper case against the chemist retailer, who has been fined (p. 826).

JALAP is supposed to have been stronger in resin twenty to thirty years ago. A note by Mr. C. E. Sage, dealing with an old sample, shows that this was not invariably the case (p. 815).

THE PHARMACEUTICAL COUNCILLORS elected on Thursday are Messrs. Carteighe, Young, Harrington, Park, Harrison, Glyn-Jones, and Southall. Mr. Bottle is the only unseated old member (p. 804).

A DRUG-COMPANY at Hull have been fined under the Pharmacy Act for labelling laudanum with a label bearing the whole of their addresses, and not specifying the particular shop where the laudanum was sold (p. 826).

THE MARKETS are very quiet this week, and of the few alterations reported the chief is in citric acid. Our Yokohama correspondent sends a long letter, including a statement of Japanese exports and imports for the first quarter of this year (p. 837).

THE SPEAKERS at the Pharmaceutical Society dinner were the President, Vice-President, Sir W. B. Foster, M.P., Sheriff Probyn, Dr. Church, Professor M. Foster, Dr. Bernard Dyer, and Sir J. C. Browne. Portraits of these gentlemen are given in our report (pp. 793–7).

OUR REPORT of the discussion in the Standing Committee of the House of Commons on the question of invoices as warranties under the Sale of Food and Drugs Act is completed from last week (p. 829), and we comment on the important change in the law which this clause will make if enacted (p. 818).

THE ANNUAL MEETING of the Pharmaceutical Society is fully reported in this issue, beginning p. 797. The Council decided beforehand that Mr. Glyn-Jones's motion regarding dispensing in doctors' surgeries should not be put, and a modified one which he submitted was defeated with the assistance of the Council.

THE VICE-PRESIDENT of the Council, in reply to a second question from Major Rasch on the unqualified-dispenser question, explains that the Privy Council considers that accidents resulting from incompetent dispensing in surgeries are rare because of the infrequency with which such cases are reported to them (p. 828). *Truth* also returns to the subject (p. 822).

D

Students' Corner.

Conducted by Richard J. Moss, F.I.C., F.C.S.

Qualitative Analysis.

THE subject of the next exercise in qualitative analysis will be a mixture of not more than three salts. The mixture of salts is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by *a stamped and addressed envelope*, not a stamp merely) will be received up to Wednesday, May 24, and the samples will be forwarded immediately.

Students' reports will be received up to Saturday, June 3. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

A full report of last month's exercise will be given in our next issue.

English News.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

Imperial Institute.

The Prince of Wales presided over a meeting of the Fellows of the Imperial Institute, which was held on Monday. Sir Frederick Abel read the annual report, which dealt with all the departments, and stated that the work of the Commercial Intelligence Department had been greatly increased and developed, especially in the direction of translating trade circulars into foreign languages, which the Institute is impressing upon merchants and manufacturers as an absolute necessity for export trade. The Institute has arranged with the British Empire League for the joint occupation with that body of its premises at 112 Cannon Street, E.C., as the City branch of the Institute. This office will be in telephonic communication with South Kensington, and will have a news-room which will be open to Fellows of the Institute and special subscribers. The financial failure of the last summer season of open-air concerts was admitted, and this attraction will now be dropped. The governing body of the Institute have received from her Majesty's Government a proposal to give shelter to the University of London by handing over to it a large section of the main building, besides considerable space in other parts of the Institute, for the purposes of periodical examinations, meetings, &c. The governing body are favourably considering this suggestion, and, as they are likely to accede to it, they promise that the privileges of the Fellows will not be entrenched upon. Lord James of Hereford, in moving the adoption of the report, spoke of the University suggestion as one which would be of material assistance to the Institute, especially in its connection with the colonies. Sir H. H. Fowler seconded the motion, and the report was unanimously adopted. Lord James of Hereford was elected Chairman of the governing body on the motion of the Prince of Wales, in the place of the late Lord Herschell, to whose loss his Royal Highness referred.

How Poisons are Kept by the Public.

At an inquest held at Hammersmith on Monday on the body of a man named Hinson, a laundryman, who committed suicide by swallowing oxalic acid, the Coroner (Mr. Luxmoore Drew) commented on the careless way in which the acid had been kept. It transpired that the deceased kept a 2-lb. bag of the acid on the shelf of the dresser, as it was used for taking ironmould out of clothes. The bag was simply a brown-paper one, with some scribbling on it in pencil. he Coroner was unable to obtain from the witnesses the ne of the person who had sold it to the deceased, althou it was stated that it was obtained from a wholesale firm ho supplied laundrymen's sundries. The Coroner said he packet not only ought to be labelled with the word "Poi n," but also with the name and address of the seller. no witness said that when the packets came the outer wr per would bear the word "Poison." The jury, in returnin he usual temporarily-insane verdict, added a rider that they n-sidered it advisable that every packet of poison, wh er enclosed in another outer wrapper or not, should bea ho word "Poison," as well as the name of the contents o ho packet.

A Poison Customer.

At Spalding Police Court, on May 10, Edward Bell as charged with the wilful murder of his wife, the alleg on being that she had been poisoned by him with perchlori of mercury and strychnine administered as medicine sent t he doctor. Evidence was called to show that the accused the time of his wife's illness purchased poisons from the sh of Dr. Talbot's Herbal Remedies Company, in Spalding. He went there on three occasions, and purchased some laud m, perchloride of mercury, and strychnine, stating tha he required the first-named for toothache, the mercur for killing rats, and the strychnine for destroying rats an for poisoning a dog. He gave the right name, but a leo address, signing the poison-book as "Edward Bell, of olbeach Hurn," whereas he resided some ten miles away. Mr. A. H. Molson, manager of Messrs. Talbot's branch sh at Spalding, produced the poison-book, and proved the sa of the poisons to the prisoner. Prisoner was remanded.

The Sale of Chloroform.

An inquest was held at Fulham on May 11 on the dy of Mrs Gertrude Foot, the wife of an Indian coffee-pl ter, who was found dead a few days before. The evi nce showed that the deceased was in the habit of using c ro-form for relief from neuralgia, and that on one occas in India she nearly succumbed to an overdose. Last we she had a neuralgic attack, and went out apparently to e a doctor. Mr. Ernest Thomas, chemist and druggist, Ha ood Road, Walham Green, said the deceased came to him f an ounce of chloroform for neuralgia. It appeared to hs a rge quantity, and he tried to persuade her to have camph ted chloroform, but she would have nothing but pure chlor rm, and he supplied her with 2 dr. He complied wit the requirements of the statute by labelling the bottle h a "poison" label. He saw nothing in her manner to j tify the refusal to serve her. She was quite calm and coll ed, and said she was in the habit of using it. The m ical evidence attributed death to suffocation from the reg itation of food into the larynx while in an unconscious ate from the effect of the chloroform, and the jury retur d a verdict of death from misadventure.

Explosions at Chemical-works.

The explosion which occurred at St. Helens last w is reported on page 807.

An explosion occurred at the Sheppey Chemical-rks, Queenborough, on May 15. An iron tank filled with che cals burst without the slightest warning. The buildin was wrecked, and a workman was badly scalded.

An explosion occurred last week at the chemical-wo s of the Clayton Aniline Company, near Manchester, wl by one of the workmen was injured. All information reg ing the cause of the explosion and its consequence has een refused by the managers of the works. The police ar the fire brigade were refused admission, being told that eir services were not required.

Chemists' Assistant Fined.

At Salisbury Petty Sessions, on May 9, William nry Miles, a chemists' assistant, in the employ of Messrs ead & Orchard, chemists, Salisbury, was charged on reman with indecent behaviour. The prisoner, who appeared to f his position very keenly, pleaded guilty, and a strong pl for leniency was made on his behalf. The Bench fined hi 15s. and costs. The money was paid.

Bradford Chemists' Association.

Council meeting was held on May 10, and a resolution pas d:—

T t the Council decides to wait communication from the Wa Committee of the Council of the Pharmaceutical Society in r tion to the Pharmacy Act Amendment Bill, and assures them at t same time of its strenuous support in any action they may tak order to prevent the passage of such obviously unjust legi tion.

Tunbridge Wells Chemists' Association.

W have just been informed by the Secretary of this Ass ation that a meeting was held on May 4, when a discuss n took place on the Companies Bill, and a resolution was ssed approving of the decision of the Pharmaceutical Soci y to defer action till the right moment for united effo should present itself.

To Pay the Gas-bill.

A Cardiff, on May 17, a domestic servant named Edith Hal d was charged with attempting to obtain 2*l.* by false pretences from Mr. A. J. Rees, chemist, Cardiff. Pris er went to Mr. Rees and asked if he could lend 2*l.* to her stress, Mrs. Deacon, whose husband, she said, had gone away without leaving money to pay the gas-bill. Mr. Rees gave e girl a cheque for 2*l.*, in the name of Mrs. Deacon, who as a customer, and the subsequent attempts of the pris r to cash the cheque drew suspicion upon her, and she was rested. Mrs. Deacon denied that she had given any auth ty to the prisoner to borrow money for her, and pris r was committed to the sessions for trial.

Charge of Stealing.

At e Mansion House, on May 12, two boys named Cook and oakes, messengers, were charged with stealing 12*s.*, the ney of their employers, Farquhar & Sons (Limited), drug ts' sundriesmen, 95 Farringdon Street, E.C. They were nt out with the money to make small purchases, but did r return. Both were under notice to leave. They were manded.

Labites' Beano.

"B goyne's Labites" is, we find, the designation of the staff ployed in the laboratory of Burgoyne, Burbidges & Co. n Saturday, May 13, thirty of them took their annual day o for sports, dinner, and smoking-concert in the evening at th lough Hotel, Elstree. Mr. T. Pitt presided over the conc , and presented the prizes to the winners of the 100 n es handicap and the boat-race. The concert-program was a lengthy one, and a special feature of it was the ominent announcement that "by special request Mr. S. Mann will not sing." Many others did, though, so that e party did not reach Moorgate Street until half-past ven.

A Lady-dispenser.

At ecent meeting of the St. Saviour's (Southwark) Board of G rdians, the Southern Dispensary Committee recommend the appointment of Miss Fanny Flood as dispenser for the S thern Relief-district and Newington Workhouse, at a salary of 140*l.* per annum, but objection was raised by sever guardians to a lady filling the post when there were so ma fully qualified male-dispensers ready and willing to take fice. The recommendation was lost, and the Board decid to interview the applicants and make their own select n. At the last meeting it was reported that the Board committee had interviewed all the applicants, with the re lt that they recommended the appointment of Miss Fann lood, which was agreed to.

At e same meeting the Infirmary Visiting-committee report that they had received the resignation, on June 1, of Mr. H. Leadbeater, the dispenser at Newington Infirmary, nd recommended that he be granted a testimonial, in accor nce with the report of the Medical Superintendent.

Early Closing.

The hemists of Fleetwood have agreed to close their shops n the first five days of the week at 8.30, on Friday at 9, d on Saturday at 11.

The Embezzlement by a Chemists' Apprentice.

One month's hard labour was the sentence in the case of George Bevison (17), apprentice to Lewis & Burrows (Limited), who was remanded until Saturday last at North London Police Court on a charge of embezzling several sums of money received over the counter. He was attached to a branch establishment of the firm at Green Lanes, and Mr. William Gough, manager to Messrs. Lewis & Burrows, ordered that he should be watched because of supposed defalcations. Mr. George Frederick Barnard, the local manager, sent three separate ladies into the shop to make purchases of pills, perfumes, sponges, soaps, and saline on May 7, and not a penny of the money they paid (10*s.* 10*d.* in all) was put into the till, nor were the purchases entered on the cash-register as required. The prisoner attributed his fault to drink. He had, he said, been a teetotaller all his life until a few weeks ago, and on the morning in question he had both whisky and bitter-beer. He declared that he had no felonious intent, but that he got muddled. Mr. C. V. Young, solicitor, who defended the accused, said his father had been in one employment forty years. When the Magistrate inquired as to the previous character of the lad Mr. Young said he had been employed at the Army and Navy Stores, but had to leave there because his father objected to his being vaccinated. Mr. Fordham: A silly objection, which in all probability led up to this. Had he remained at the Army and Navy Stores he might not have had the opportunities for theft that he evidently had here. And, as a parting word to the father of the lad, the Magistrate said that no doubt he was in a measure responsible for his son's present position because of spoiling him by, amongst other things, the present of a finger-ring.

Cricket.

Muter's C.C. *v.* Pharmaceutical C.C.—Played at Nunhead on May 13. Muter's won by 15 runs.

Davy, Hill's C.C. *v.* Malden C.C. at Willesden, May 13. Scores—D.H.C.C., 112; Malden, 59. For the winners E. Sibley scored 36 and T. Sibley 20.

Allenburys' C.C. played Hewlett's C.C. at West Green on May 13, and defeated them by 66 to 42. The highest scorers on the winning side were E. A. Collins 15, and C. W. Petty 15 (not out); while for the losers H. Gray scored 14 and J. Upton 13 (not out).

Fires.

Last week a railway-arch at Hackney, tenanted by Messrs. Adams, Webster & Co. (Limited), disinfectant-manufacturers, was found to be on fire. The fire-brigade subdued the flames, but the arch and its contents were nearly burned out.

On May 9, while Mr. N. F. Lakeman, chemist, Modbury was emptying a jar of turpentine in his shop, it caught alight, and Mr. Lakeman's face, hands, and clothes were burnt. Assistance was promptly rendered, and the lighted turpentine, which at one time threatened to destroy the shop, was extinguished before any serious damage was done.

A fire broke out in the laboratory of Mr. James Smith, manufacturing chemist, Lord Street West, Blackburn. The conflagration occurred through spirit-vapours coming in contact with a gas-flame, and by the time the fire-brigade had arrived the flames had got a good hold of the building. The flames were quickly subdued, but the laboratory and the adjoining warehouse, were severely damaged by fire, smoke, and water.

Misadventures.

On May 13 the adjourned inquiry was held into the death of James Gridley, son of Mr. F. Gridley, J.P., of Ham. It was supposed that deceased had been poisoned by taking some toothache-essence, and the contents of the stomach were ordered to be analysed. Mr. C. H. Coles, chemist and druggist, 84 Richmond Road, Kingston-on-Thames, deposed to selling 4 dr. of laudanum to the deceased, who said he wanted it for the toothache. The bottle was properly labelled, and deceased, in answer to a question, said he knew the contents were poison. Dr. F. Womack, analyst at St. Bartholomew's Hospital, stated that in the stomach he found evidence of morphia and other alkaloids, and a verdict of death from misadventure was returned.

On May 6, at Lewisham, an inquest was held on the body of Elizabeth Holmwood (70). Deceased said she wanted some Brand's essence as she was thirsty, and went into the next room to get it, but took some opium liniment instead. The jury found that death was due to disease of the kidneys and heart, accelerated by taking opium liniment in mistake.

Tannery Dangers.

An inquest was held in Liverpool, on May 16, on the body of a tanner's flesher, who died at the Royal Infirmary from anthrax on May 14. Evidence was given to the effect that the deceased's work was to remove with a knife the loose flesh from the hides after they had been taken from the lime-pits. On April 30 he complained to the manager of the works of a slight discolouration under the eye, and on the next day he was removed to the Royal Infirmary, where he was operated upon, but death ensued. The manager of the works having stated that the hides were treated with carbolic acid and chloride of lime, Mr. Richmond, inspector of factories, said that all Eastern hides were dangerous, and especially the hides from China, with which deceased had been working. The jury found that death was due to anthrax, and strongly recommended that all the China hides in the works should be destroyed.

Penny-postage.

The Postmaster-General has issued a notice stating that, notwithstanding the steps which have been taken to notify the public as to the limits within which penny letter-postage to British possessions and protectorates is applicable, considerable numbers of letters are still being posted prepaid only 1*d.* per ½ oz., addressed to places not yet included in the scheme. The principal colonies concerned are Australia, New Zealand, and the Cape Colony. The letter-postage to those colonies is still 2½*d.* per ½ oz., and letters prepaid at the penny rate are charged 3*d.* per ½ oz. (double the deficiency) on delivery to the addressees. Since the issue of the previous notices on this subject Jamaica, Mauritius, British North Borneo, and Labuan have adhered to the scheme, and the letter-postage for these places will be 1*d.* per ½ oz. from May 24. Many inquiries having been made whether Burma and British Columbia are included in the penny-postage scheme, the Postmaster-General gives notice that both are so included, Burma as a part of British India, and British Columbia as a part of the Dominion of Canada.

Irish News.

Personal.

Dr. J. C. McWalter, M.P.S.I., Dublin, was last week admitted by examination a licentiate of the Royal College of Physicians, Ireland.

Business Change.

Mr. John H. Parker, registered druggist, Limerick, has opened new premises at William Street, in the same city.

The L.G.B. Schedule of Prices.

The Strabane dispensary doctors have expressed to the Board of Guardians the opinion that neither drugs nor medical appliances of a proper quality could be supplied by contractors under the standard prices laid down by the Local Government Board. At a subsequent meeting of the Guardians Messrs. Leslie & Co., Dublin, offered to give 46 per cent. reduction, and Mr. Hill, chemist, Strabane, 20 per cent. An effort was made to give the contract to Mr. Hill, on the ground that he was the local man, and that it would be an advantage to have the contractor on the spot, but on a vote being taken Messrs. Leslie's tender was accepted.

Local Government Board and Guardians.

The Local Government Board have directed the Guardians of the North Dublin Union that only the medicines and appliances mentioned in the official list are to be used by the doctors at the various dispensaries or contracted for by the Board. At a meeting of the Guardians on May 11 Mr. Harrington, M.P., said some of the most frequently used drugs and medicines supplied in dispensaries and workhouses were not included in the list. The result was that if these were used the ratepayers would have to pay for them.

The Cork Board of Guardians are asking the Local Government Board to appoint examiners to test the attainments of candidates seeking medical and kindred appointments. Meantime they will not entertain the application of any candidate unwilling to undergo such examination.

Seaweed-collecting.

At a meeting last week of the Royal Irish Academy Professor Johnson read a paper on "The Irish Phaeophyceæ." The paper dealt with the collection of brown seaweeds, from nearly all parts of the Irish coast, since 1891, and referred to some forty species to be added to the seventy already known. Speaking on kelp, the lecturer exhibited specimens of kelp made in Donegal by burning seaweed and also a specimen obtained from Norway, where the kelp is now so prepared that it is easier extracted with water.

The Empties-trouble.

The Local Government Board have forwarded to the Tipperary Guardians for consideration a memorial sent to them by wholesale druggists complaining of the loss to Union contractors on account of the bottles, jars, tins, hampers, and packages in which medicines are supplied not being returned. In view of the competition for contracts, and in order to receive thereof the full benefit to the ratepayers, the Local Government Board thought it advisable the Guardians should clearly intimate to each medical officer or compounder of medicines that his duty was to take charge of the vessels and hampers received from the contractors with the medicines, and afford reasonable facilities to the contractors for obtaining the return of these articles when empty. The Chairman said there was more talk about the empties than there was about the medicines. The contractors were not at all badly off. The letter was referred to the officers concerned.

Scotch News.

Pharmaceutical Footballers.

The preliminary ties of the five-a-side football competition for the Anderson Challenge Cup, confined to members of the Edinburgh Pharmacy Athletic Club, were decided at the Hibernian Football Club grounds on May 15, and resulted as follows:—

First Round.

Duncan, Flockhart & Co. (wholesale) beat Raimes, Clark & Co. by 1 point to nil.

John Mackay & Co. beat Duncan, Flockhart & Co. (reserve) by 4 goals to nil.

T. & H. Smith & Co., a bye.

Second Round.

Duncan, Flockhart & Co. (wholesale) beat T. & H. Smith & Co. by 1 goal to nil.

The final tie will be played at Powderhall on Wednesday evening first, on the occasion of the club's eighth annual amateur athletic sports. Proceedings will begin at 6.45 P.M., and end at 9 P.M.

Edinburgh District Chemists' Trade Association.

The annual excursion in connection with this Association will take place on Wednesday, June 14. A special train will convey the excursionists *viâ* Forth Bridge to Perth, where they will drive in brakes to Birnam (fourteen miles). Five hours will be spent there in viewing the beautiful sights of this historic district, and dinner and tea will be partaken of in the baronial hall of the hotel. The return drive to Perth will be made by way of Dunkeld, Caputh Bridge and Stanley. Pharmacists from Glasgow, Dundee, and Perth have promised to join the excursion, and any chemists who may find it convenient to be present on the occasion will be heartily welcomed. Tickets, 11*s.* 6*d.* each, to include all charges, may be had from the Hon. Secretary, Mr. J. F. Henry, 1 Brandon Terrace, Edinburgh.

Pharmaceutical Society of Great Britain.

FIFTY-EIGHTH ANNIVERSARY.

I. DINNER OF THE MEMBERS AND THEIR FRIENDS.

II. ANNUAL MEETING IN BLOOMSBURY SQUARE.

III. ELECTION OF COUNCIL.

The resident and Members request the honour of the company the Editor of THE CHEMIST AND DRUGGIST at their annual ner, which will take place at the Whitehall Rooms, Hôtel tropole, on Tuesday, the 16th day of May, at 6.45 for 7 cisely.

THIS on the plain, engraved, and crested card reminded s that the Society is drawing towards its threescore yea and that there would be another opportunity of mee g fellow-members at the hospitable board. The Vic ia reception-room of the Whitehall Rooms has seen ma a distinguished company of scientists, and when pharmacists gather there the arts which have risen from the cru le and mortar are generally well represented, and rib a and star indicate that some have been honoured bey d the laboratory and consulting-room. Mr. Walter Hil received the guests, the Vice-President (Mr. G. T. W. Ne holme) assisting him. The gathering seemed quite up to t average, and a pleasant half-hour was spent before din r and served for the renewing of old acquaintances. It is cur s how few retail chemists and druggists, unofficially con cted with the Society, attend these gatherings. Cou illors, examiners (past and present), and their emplo make up about sixty of the company. There are thi or so invited guests, a few score wholesalers, and a doz or more journalists, leaving a mere handful of those wh have not tasted the fruits of office, yet love the Society. The seemed to be general satisfaction at getting back to the ôtel Métropole again, where the cooking is excellent, the ines good, and the service expert. It was about 7.15 wh the veteran and Grace-like toastmaster announced that din r was served. The Whitehall banqueting-room was fill with seven tables, the President sitting at the cross-tab the Vice-President being *vis-à-vis*, and Messrs. I. Bo las, G. S. Taylor, W. Martindale (Treasurer), R. Bremrid (Secretary), Charles Umney, and C. B. Allen presiding at e spur tables. We noticed that the President had on his ght Dr. Church, Professor Michael Foster, Sheriff Col Cli rd Probyn (who came in with dessert), Sir James Cri ton Browne, and Dr. T. E. Thorpe. Immediately to his left were Sir Walter Foster, M.P., Sir Dyce Duckworth, M. Mr. Bryant, F.R.C.S., Dr. Bernard Dyer, Mr. S. R. Ath s, and Dr. John Attfield. The following is the list of the uests, besides whom were press representatives. Not all we present, most of the members of Parliament being abs t, as well as the Hon. G. Waldegrave Leslie (whose wif was the late Countess of Rothes, and who, as a friend of . Thomas Hyde Hills, helped to get the Pharmacy Act of 68 through the Commons):—

All C. B.
All —
An son, G.
Ar stall, W.
Ar , J. J.
Ar smith, A. R.
Ati s, S. R.
Att ld, Dr. J., F.R.S.
Ba , S. S.
Ba n, R. E.
Ba mbe, F.
Ba H.
Ba on, T.
Bi Stanley
Bi —
Bo n, H. N.
Bo n, H. N., jun.
Bo e, A.
Bourdas, I.
Bourdas, I., jun.
Boutall, G. S.
Bowen, J. W.
Boxall, F.
Boyes, A.
Bremridge, R. (Secretary)
Bremridge, R. Harding
Browne, Sir J. Crichton, F.R.S.
Bryant, T., F.R.C.S. (President Royal Medical and Chirurgical Society)
Burroughs, Wellcome & Co.
Butt, E. N.
Carteighe, M.
Carpenter, A. H.
Carter, R. W.
Castle, J. W.
Chalmers, W.
Chaney, H. J. (Superintendent of Standards)
Chater, A. J.
Church, Dr. W. Selby, F.R.S. (President Royal College of Physicians)
Collie, Professor J. Norman, F.R.S.
Collier, H.
Cottle, Dr. Wyndham
Cracknell, H.
Cross, W. Gowen
Davies, T.
Davis, W. A.
Dixon, R. D.
Dodd, W. R.
Druce, G. C.
Duckworth, Sir Dyce (Treasurer Royal College of Physicians)
Dyer, Dr. Bernard
Eastes, E. J.
Eastes, G.
Edden, T. L.
Ekin, C.
Farr, E. H.
Foggarthy, —
Flack, A.
Flux, W.
Ford, T. M.
Foster, Professor Michael, F.R.S.
Foster, Sir Walter, M.P., F.R.S.
Foster, —
Foster, John
Francis, G. B.
Francis, W. H.
Frankish, Dr.
Frost, —
Gamble, F. W. (President C.A.A.)
Gerrard, A. W.
Giles, A., M.R.C.S.
Glasier, Walter
Glyn-Jones, W. S.
Goldsworthy, W. L.
Goodman, V. A.
Graham, W. M.
Greenish, Professor H. G.
Gregory, A. C.
Grice, W. T.
Gulliver, W. F.
Harrison, J.
Harrington, J. F.
Harvey, R. M.
Harvey, Ralph K.
Heap, J. H.
Hills, Rowland, M.R.C.S.
Hills, Walter (President)
Hodgkinson, C.
Hodgson, C. R. (Secretary College of Preceptors)
Holmes, E. M. (Curator)
Hopkin, W. King
Howe, F. G.
Howie, W. L.
Hugill, E. A.
Hugill, J. H.
Hugill, T. P.
Humphrey, John
Hutton, W.
Idris, T. H. W., L.C.C.
Jones, G. E.
Jones, R. H.
Jones, W. Adpar
Juler, H., F.R.C.S. (President Harvcian Society)
Kearley, H. E., M.P.
Lambert, Alfred
Langton, J., F.R.C.S. (President Clinical Society)
Lansdown, G. A.
Leng, R.
Lescher, F. Harwood
Leslie, Hon. G. Waldegrave
Lewis, D. L.
Lloyd, J.
Lucas, E. W.
Lunan, G.
MacEwan, Peter
Martin, C.
Martin, N. H.
Martin, T. C. W.
Martindale, W. (Treasurer)
Mason, A. W. (President Royal College Veterinary Surgeons)
Massey, S. J.
Mathews, H.
Mercer, C. A.
Mercer, F. M.
Mendl, S. F., M.P.
Miles, C. J.
Moon, H.
Morris, —
Morson, A.
Morson, T. P.
Moxon, G. R.
Naylor, W. A. H.
Newsholme, G. T. W. (Vice-President)
Ord, S. W.
Padman, J., M.R.C.S.
Pain, R.
Park, C. J.
Parsons, W.
Patterson, J.
Paul, A. (*Daily News*)
Paul, Dr. B. H.
Phillips, A. J.
Philp, W. I.
Pinchen, W. J.
Probyn, Col. and Sheriff
Richardson, R.
Ridgwell, J. B.
Ridley, R.
Robbins, C.
Robbins, J.
Robbins, P. J.
Robertson, Dr. Milne
Robinson, R. A., L.C.C.
Rogers, F. A.
Rogerson, W. J.
Royle, H. Ingram
Royle, H. W.
Royle, J. W.
Savory, A. L.
Scanes, E. A.
Shannon, R. J.
Shaw, J. W.
Sherwood, N.
Shillcock, A.
Silverlock, H. T.
Simpson, Aldorman, J.P.
Smith, S.
Solomon, A. H.
Squire, Geo.
Stebbing, H. Percival (Master Salters' Company)
Stevenson, Dr. T. (President Institute of Chemistry)
Street, Arthur
Street, Edmund
Symes, C.
Talintyre, W. J.
Tanner, A. E.
Taubman, R.
Taylor, G. S.
Tench, S., M.R.C.S.
Thorpe, Professor T. E., F.R.S. (President Chemical Society)
Thurston, J.
Tickle, T.
Tirard, Dr. Nestor
Townson, T.
Travers, Dr. W.
Trimmer, E., M.A. (Sec. Royal Coll. Surgeons)
Umney, C.
Umney, J. C.
Walker, H.
Walker, H. J. D.
Want, W. P.
Ward, J. S.
Waring, A. W.
Warren, W.
Webb, H. E.
Weld, C. C.
Weston, S. J.
Whiffen, T.
White, E.
Whitehead, W.
Wiggins, H.
Wigginton, A.
Will, W. Watson
Williams, Hy.
Williams, T. R.
Williams, W. Lloyd
Wilson, J.
Wink, J. A.
Woolley, S. W.
Woosnam, —
Worsley, A. G.
Wretts, J. R.
Wright, Alfred
Wright, H. C.
Young, J. Rymer

There seemed to be few vacant seats. The President drank wine with the members immediately after the white-

bait, and all settled down to work again, there being no further interruption until 8 45, when Colonel and Sheriff Probyn came in, attended by his gorgeously-liveried footman. The City of London has not been represented at the Society's dinners for about a dozen years, the last occasion being when Sheriff (afterwards Lord Mayor) Savory was present. By 9 o'clock the speaking was fairly on the swing During the evening (the company broke up at 11 o'clock) the Westminster Singers went through the following programme:—

Grace ...	"For these and all Thy mercies" ...	(A.D. 1545)
	The National Anthem	
Plantation Song	"Shine, Shine, Moon" ...	*Scott Gatty*
Song	"Good Company" ...	*Stephen Adams*
	Mr. Harper Kearton	
Vocal Waltz	"Breeze of the Night" ...	*Lamothe*
Song	"Still is the Night"	...*Abb*
	Mr. W. H. Brereton	
Part Song ...	"When Evening's Twilight" ...	*Hatton*

We regret to say that a section of the company was as noisy as ever, and during the latter part of the proceedings the interruptions became most painful to the speakers, and the toastmaster's necessary calls to order were a serious reflection on the good manners of this section of the diners.

To the toast-list was added that of "The Corporation of the City of London." We are responsible for the verses summarising the speeches reported below.

"The Queen."

"Upstanding," said the President,
"Let each one toast our Queen,
Who not alone the Empire's Queen
But Queen of Hearts hath been."

The President gave, first, the toast of "Her Majesty, the Queen," and tendered the hearty congratulations of the Society to her on attaining her 80th year. The toast was drunk with enthusiasm, and the National Anthem was sung by one of the Westminster Singers.

"The Houses of Parliament."

"M.P.s," said *Mister* Walter,
"Are most wise, it seems to me";
"But not," replied *Sir* Walter,
"Quite so wise as they might be."

The President next gave "The Houses of Parliament." In doing so, he said it felt quite natural that when he opened his *Punch* last week he should find something in it entitled "The Chairman's *Vade-mecum* for May Mouthings at Meetings." (Laughter.) But what could he say in regard to the Houses of Parliament? Not much that was fresh, he was afraid. It was no longer popular to sneer at the House of Lords, and, although some of them might have their doubts as to its constitution being the best, most of them believed in the wisdom of a second Chamber. (Hear, hear.) He, himself, had for many years held the opinion that the House of Lords should be constituted, so far as England and Wales were concerned, somewhat on the same principle as the Peers of Scotland and Ireland were represented—namely, that the best of them should represent the rest. He paid a high tribute to the patriotic Statesmen of the House who had given their services to the nation as legislators, and, referring to the Pharmacy Bill, said that he felt that they should thank God that they had a House of Commons. (Laughter.) He had received telegrams from several members of the House who were to have been present that evening, but who were detained by their duties, probably the London Government Bill. Referring to this, he said M.P.s seemed to be much exercised in regard to whether women should be eligible to be councillors, and from that to be aldermen and mayors. (Laughter.) He could tell Sir Walter Foster that the Pharmaceutical Society had had this difficulty some years ago, when all kinds of statements were made as to the desirability of electing women as members of the Society, and fears were expressed that if ever they were admitted as such then they would have them as councillors and even presidents. (Laughter.) He begged to assure Sir Walter that that had not yet taken place. At the last annual dinner the Pharmacy Acts Amendment Bill was then before the House, and it was thought that it was unlikely to get through because it was blocked by a single member. However, it had passed, but that system of blocking remained on his mind, and he thought that it would be good for the House if it were made necessary that blocking should be done by two members jointly. Coupling the toast with the name of Sir Walter Foster, the President reminded him of the existence of two little Bills now before the House of Lords in which the Society was interested. He did not propose to deal with these, but if they got a stage further, which he did not expect, he hoped that Sir Walter and other members of the House of Commons would see that justice was done to pharmacists.

"It seemed natural when I opened my *Punch*."

The toast having been drunk, Sir Walter Foster said, in reply, that it had been a great pleasure to him on more than one occasion to be present at the annual banquets of the Society, because he was of opinion that the members belonged to a calling which was of great advantage to the public, and the work of the Society was carried on on lines which were likely to increase their influence. He regarded their President as one of his personal friends. He had spent some time in the House of Lords that day listening to a debate, and could say a word on their behalf. It was an institution which, like all human creations, had its faults, but also it had its virtues, and these virtues were not hidden under a bushel. He understood that the Society looked to it to give them a lift. (Laughter.) He quite agreed that they might look to it as an ideal of human excellence, and he cited the very admirable manner in which the House had shown its functions in a little Bill to allow shop-assistants to seat themselves occasionally. (Laughter.) That Bill had been slaughtered by a vehement speech of the Prime Minister; he thought that the Commons would have something to say about that in a few days. (Laughter.) He was always lost in wonder when he thought of the sacrifices that men made to become members of the House of Commons. It cost them from 500*l.* to 2,000*l.* to get a seat, and several hundreds a year were required to defray their expenses in connection with their seats, and every morning their tables were piled with letters from every crank in the United Kingdom. (Laughter.) Moreover, when a professional man took up this thing his profession seemed to look to him for help in all connected therewith. Why, last year the life of every medical man in the House of Commons was hardly tolerable, owing to the importunities of their President—(laughter)—and they went in dread of something that might happen until the Pharmacy Bill slipped through the House. As to the system of blocking referred to by the President, he would remind them that it required a great deal of physical labour. One had to sit up until midnight for the opportunity of blocking, and the strain was such that it laid the foundation for premature decay. It was too inhuman, he thought, to ask that two should do this instead of one. (Laughter.) He congratulated the Society on the happy passage of the Pharmacy Bill, and, referring to the Bill now exercising the minds of the members, said that they had many friends in the House of Commons, and, being well organised, they had a greater power than it was possible for them to estimate. He hoped that they would show a united front on the matter, and that they would keep up the

"Last year the life of every medical man in the House of Commons was hardly tolerable, owing to the importunities of your President."

me ership, so that the President would be able to continue his forts in their power. (Applause.)

"The Corporation of the City of London."

"The London Corporation
Is the greatest in the world;"
"It is," replied the Sheriff,
All embroidered and be-pearled.

e PRESIDENT then proposed the toast of "The Corporation of the City of London," coupling with it the name of Lieutenant-Colonel and Sheriff Probyn. The virtues of the City of London were, he said, so great that the Government, in e Bill which it is now proposing, does not intend touching them. Everyone was glad to recognise the good work which the City did for the cause of education and in promoting the love of art. It represented the nation very satisfactorily when a foreign potentate, general, or admiral is be received. Sheriff Probyn was well known to them, and was, as they knew, a member of their Society; he had come at great inconvenience to himself, as he had three engagements that evening. He had always found him a good fellow, liberal to the Benevolent Fund, and ready to assist them in their work in any way in his power.

eriff PROBYN said he was much obliged for the kind manner in which they had proposed and received the toast. He himself was sorry to have been there so late; if he had had no other engagement he would have very much liked to have taken dinner with his own old friends—friends, many of them, of thirty years' standing. He could assure them that in the manner they had received the toast they had not made a mistake. Nearly a year's association with the City had shown him that it does its work thoroughly well, and he hoped that the new municipalities which were being created would take the Corporation as a model for the way of doing their work. Let them try to follow the City in the work it does in art. Most of them perhaps knew of the priceless collection of gems of Turner which were being exhibited at the present moment at the Guildhall. The Corporation had its own schools, and helped to found institutes and guilds, and afforded to the people, not only of the square mile, but of greater London, unique opportunities of education and science, music, art, literature, and commerce. He (Sheriff Probyn) was right proud to be associated with the City of London. Some people thought that the office of Sheriff was a very arduous one; but he found it a work of pleasure, and looked forward to the end of his term of office with intense regret. He hoped he would not come into contact with any of the gentlemen of their calling in his professional capacity—(laughter)—but still, if he did, he could not forget that they were very old friends. (Laughter.) The office of Sheriff was highly respectable; it dated back more than a thousand years. If any citizen had a grievance and laid it before the Sheriff, the Sheriff had the privilege of approaching her Majesty and making a representation to her as it seemed good to her. Speaking of his connection with the Society, he thought it should be understood that they not only wanted to do good to the public, but required the public to do them good. He did not know of a body of men so well trained and educated who were so infamously remunerated as they were. He hoped Sir Walter Foster would bear that in mind when any legislation affecting chemists came before the House of Commons. (Loud cheers.)

"find the office of Sheriff a work of pleasure."

"The Medical Profession."

"The doctors are our brothers,"
Most diffusely urged the Vice;
"We are proud, sir," said the Doctor,
"Of our pharma-sisters nice."

he VICE-PRESIDENT, in giving this toast, said that none could realise more than pharmacists how much the medical profession did for the public and the services they rendered day by day. They were a body who were contributing to the scientific world, and rendered many services to the poor. There was no profession in the department of science which had made such advances during the past twenty-five years. It was often said that Germany was ahead of this country in regard to the practice of medicine, but he had only to recall the names of Lord Lister and Sir Spencer Wells for proof that this country kept in progress. Mr. Newsholme also referred to the growth of preventive medicine, and how medical men in spite of the old idea that the more they had to do the better was it for them, had gone heart and soul into questions of sanitation and such subjects as the open-air treatment of consumption. The scant courtesy which the Lord Chancellor had given to pharmacists in their endeavour to put down company-trading was referred to, and medical men were asked to assist chemists in securing a Bill whereby the dispensing of all medicines to the public and the distribution of poisons would be entrusted to pharmacists. With this toast was associated the name of Dr. Selby Church, President of the Royal College of Physicians.

The toast having been honoured Dr. CHURCH replied, and, in the course of his speech, said that wherever the British public was there his profession had its confidants, for there were few who in some stage of their life had not had to apply to them for advice, and he would say that the doctors always received the kindest attention even although their advice was not always acted upon. High and lofty motives actuated them in their work; they were as much concerned about the prevention as the cure of disease. To do that they were to a great extent dependent upon the labours of the pharmacists. The time had long passed when they had walked out under the crescent or waning moon, or in the summer solstice, to distil some remedy, for now they had all sorts of preparations placed before them; in fact, he thought that pharmacists were too much in evidence. Every morning their tables were laden with dainty preparations, some of them produced on this side, some on the other side of the Atlantic. (Laughter.) There were foods digested and foods bi-digested—whatever that might mean—and a host of other substances which were better placed in the waste-paper basket. (Laughter.) Nevertheless, in his experience nothing had improved so much as pharmacy. They now had better and more portable preparations, which were a great gain to the physician, and it was to pharmacists they were indebted for them. He would not venture upon the delicate subject of medical and pharmaceutical legislation, but he would say that his own profession expected to get more from legislation than they could actually obtain, and in this matter he thought that they should all try to place themselves in the position of the public. Dr Church also referred to the valuable assistance given by the Society in the preparation of the Pharmacopœia. They could not have published it but for the President and Committee of the Society, and credit was principally due to one who was familiar to them all—he meant Professor Attfield—(hear, hear)—without whose indefatigable labours that volume would not have given such satisfaction, which, as a member of the General Medical Council, he felt that it had given, throughout the British Empire. (Applause.)

"Every morning our tables are laden with dainty preparations."

"Science."

"We deeply reverence Science,"
Said Harry, Dick, and Tom;
"I yearn," wailed quaint Sir Michael,
"For the toothsome Cardamom."

The PRESIDENT, in proposing this toast, gave the British Pharmacopœia of 1898 as an example of the rapid progress which science had made within recent years. He had seen the other day in a French Pharmacopœia of 100 years ago a formula which consisted of threescore ingredients, and one of these ingredients, aq. generalis, was itself made up of twice that number of articles. Compared with such clumsy

examples of pharmacy, phenyl-dimethyl-iso-pyrazolone of the 1898 Pharmacopœia was simply A B C to present-day organic chemists. He referred in turn to the discovery of victorium by Sir Wm. Crookes, the advent of the motor-car, the ubiquitous cycle, the telephone, electric light, and wireless telegraphy, and drew attention to the fact that many eminent scientists were with them that evening. He coupled the toast with the name of Professor Michael Foster, who was not only Secretary of the Royal Society and President-elect of the British Association, but was a London University Commissioner, in whose hands the interests of pharmaceutical education could be left with confidence.

Professor MICHAEL FOSTER thought everyone knew that familiar sensation of something having happened before. He was conscious at that present moment that a great part of his life had been spent in enjoying the good dinners of the Pharmaceutical Society and making speeches afterwards. He always spoke on the same theme—science He would have been afraid of any other theme, but was never afraid of science, because in science the individual disappears, and scientists have their strength in that to which they belong. They were only part of a great machine He responded all the more gladly, because if any better examplar could be found of the benefits of science than another it was the profession of pharmacy. Lord Derby spoke of living in a pre-scientific age. He could not recall that age, for from the time of Dioscorides downwards pharmacy has been associated with science, but he could remember the time when pharmacy had not the scientific attributes which it had at present. He remembered when pharmacy was to a large extent a gymnastic exercise. There was always a seething liquid to be stirred. Something always wanted breaking to pieces in a mortar, with a napkin wrapped round the pestle. Then there was that beautiful employment which consisted in the vigorous rolling and rolling, and a final "drive to the off" which was necessary to get a proper spherical mass. "Nowadays you do none of these things," said the professor; "all is done for you elsewhere. Wellcome & Burroughs are always providing you with dainty preparations which are a delight to swallow, or with oleaceous emulsions which slip over unawares. The drugs which I remember were very simple, and have generally disappeared The goodly liquorice, the fragrant cardamom, the lavender—where are they now?" Professor Foster then went on to speak of the medicine of the elder days, likening it to a blunderbuss which scattered its shot in all directions. Some of it might reach the stomach, or the heart, or perhaps a kidney. The new medicine, on the contrary, was like a modern projectile driven by smokeless powder. The greatness of science, the speaker continued, is shown in the development of pharmacy, which, more than any other profession, understands the science of the diffusion of knowledge. He was no longer in active practice as a medical man, but his name was still on the Medical Register, the result being that his maidservants never had any difficulty in kindling the kitchen-fire. Every morning pamphlets of all sorts, shapes, and sizes were sent to him, and he was pleased to observe that pharmacy emulated the University of London in its desire for the spread of education. Only the day before he had sent to him the portraits of all the distinguished novelists of the day to advertise a remedy for gastric ulcers "Science is great," said the Professor, in an eloquent peroration, "but greatest of all are its needs. I belong to an ancient university, which is a pauper before the public. The work of recent science has rendered it a pauper. I am, unhappily, a Commissioner of this University Reconstruction, and find that the one want is the want of funds. Scie is more costly than anything else, and if you wish to science a service first put the university in a proper p tion, and then lay hold of half-a-dozen millionai (Laughter and applause.)

"When I was apprenticed pharmacy was to a large extent a gymnastic exercise."

"The Pharmaceutical Society and the Presiden

"Here's to you all," said Dyer,
"You and He are hard to beat".
Which sentiment evoked from us
Endorsement quite complete.

Dr. BERNARD DYER said he felt it a great privilege to allowed to propose the toast of "The Pharmaceutical Soc and its President." He noticed the Society was getting near its Diamond Jubilee, and was pleased to see it discharge so nobly and well its duty to the public, which has, however, always held it in adequate regard. The Society occupies a position of great burden, for whereas in medicine the onus of granting qualification was distributed over a dozen different colleges, their Society was the only one which granted pharmaceutical qualifications. He would like also to notice the special educational conditions which the Society granted by its schools, which were, he thought, unique in the United Kingdom. The educational laboratory was, he understood, the first pul laboratory open for students. Personally he took gr interest in the school, owing to the fact that some ye ago he took a course of materia medica there un good old Bentley, and the practical knowledge of dr then acquired had been of immense advantage to h since. Might he take that opportunity of thanking th for their hospitality extended to him so many years ag The then President, he remembered, was Thomas Hy Hills, uncle of the present President who was so worth carrying on the traditions of the Society. He (D Dyer) was among those who thought it a pity that greater part of the students did not go in for the Maj He did not suggest that the Minor did not meet the requi ments of the public, but the wider and more comprehens reading required for the Major gives a young man a broa basis to build up his mental faculties which remained throu life. The higher examination should be undertaken qu irrespective of any utilitarianism. He was inclined think that the course which had recently been tak widening the membership, would in the end bri more students into the Major fold, for ma of the older men would now take a more active inter in the Society and imbue their apprentices with the desire go in for full qualification of the Society. He then referr to the research-laboratory, which he said had been doi excellent work, and if it continued to do work of the sa quality as that it had produced hitherto it would add gre prestige to the Society After referring to the usefulness the Benevolent Fund, which last year expended 3,000*l* f the benefit of needy brethren, he said he was sorry to gath that the Society was face to face with a little Parliamenta conflict. He understood that there was a movement, su ported by no less a potentate than the Lord Chancell which sought to give to corporate bodies the functions pharmaceutical chemists. The movement was the more e traordinary in view of the fact that the Lord Chancell thought that corporate bodies should not be allowed undertake the functions of doctors, dentists, or midwiv He heartily sympathised with the Society in this matt The Society with which he was connected was suffering fro the discouragement—not, however, from the same quart but from bodies of very high standing. It was an injusti to them, after obtaining qualification which cost muc money and study, that they should meet with this kir of under-current. He was quite sure—in fact, he knew—th

"Some years ago I was a dent in your school, and t a course of materia med under good old Bentley."

wer ell orgarised, and they had a most excellent general in c mand in the person of their President.

T PRESIDENT, in reply, said he rose with great pleasure to r ond to the toast, and he was quite accustomed to the gen us manner in which it had been received. Referring to t remarks of Colonel Probyn, he would like to say they shou all try to become President of the Pharmaceutical Soci of Great Britain, as in that position they would find a gr deal of pleasure, and be received with the greatest kind ss and consideration wherever they went. In regard to t delicacies delivered to the medical profession by post every orning, let the medical gentlemen present understand they d nothing to do with the Pharmaceutical Society in its c porate capacity. Speaking of their school, he said they ere all proud of it, and hoped to maintain it in its prese high efficacy. He was not going to enter at length into e matter, as he would have plenty of opportunity on the r rrow, when there was no music and no smoking, of speal g of the Society's working, but his conviction was that ogress could only be made by demanding a high stand d of education from those entering their ranks. He then ked them to drink the toast of

"Our Guests."

"No secret com.," said Crichton Browne,
"Has ever come to me";
And straightway he began to ad-
Vertise the *C. & D.*

He l l a note from their old friend, the Hon. George Wald rave Leslie, who assisted in passing the 1868 Pharmacy ct. In that letter, in which they were described as Roya Pharmaceutical Society, the writer said that owing to a sev e attack of influenza he was not able to be present. He w ld couple with this toast of "The Guests" the name of Si James Crichton Browne, who was good enough to give a address at the opening of the School of Pharmacy last y r, which was a great treat to them. He would have liked so to have coupled the name of Dr. Thorpe, but he had been able to remain any longer with them that evening.

Sir . CRICHTON BROWNE said the President had administ ed to him a powerful pick-me-up that evening when he informed him that he had to make a speech, and its effect had been stimulating rather than sustaining. (Laughter.) He rejoiced to see so many members of his own profession present there that evening, for he did not doubt but that social intercourse such as they were having that evening would tend to smooth away any misconceptions which might exist between the professions; it would extend their spheres of influence, and bring about a delimitation of the frontiers which existed between the two bodies. He was sanguine enough to hope that those halcyon days might be reached when the prescribing chemist and the dispensing doctor would become as extinct as the dodo. (Laughter.) That advancement and expansion would involve an increasing line of demarcation between the functions of their callings. The more highly educa l each profession became the less disposed would they to encroach upon the domain of each other. He t ught counter-practice—except in cases of urgent neces y—should be totally discouraged, and therefore he was y sorry to see a book advertised to the drug-trade purpo ng to treat of Diseases and their Remedies. That work as said to have been the production of a learned physi n, who modestly concealed his name, and it contained just the amount of rubbish one might expect. It stated mongst other things, that "the nature of cancer was p fectly understood," and the priceless revelation was given at "sulphur in the socks was a preventive against chole " (Laughter.) As long as pharmacists confine them ves to "sulphur in the socks" the medical profession would not interfere; but all such methods were to be depreeated, and would not cherish the good feeling that ought to exist between the professions. (Hear.) He was astounded to learn, however, that there were certain nefarious transactions going on between doctors and chemists—an illicit eollusion whereby presents are given and received. The Chamber of Commerce has said so, so it must be true. (Laughter.) "If such is the case," said Sir James, amid great laughter, "then I can only look back with great regret on the lost opportunities of a lifetime. Nothing of the sort has come my way; not a solitary barrel of oysters has ever reached me from an unexpected chemist. True, I have been invited to your dinners, but even these have not induced me to prescribe an extra dose of castor oil or bromide of potash, or to mention favourably any individual chemist." Sir James then waxed mildly indignant on the theme, deelaring emphatically that he never heard of, nor did he believe that such a thing existed, and he thought the Government, instead of wasting time in futile attempts to put down a practice which does not exist, would be much better occupied in placing under the control of pharmacists certain poisonous substanees such as carbolic acid. (Hear, hear.) It might be said that carbolic acid was a useful antiseptic, but corrosive sublimate was also a useful antiseptic, and that being so why should not the latter be sold in oil-shops? It was high time that carbolic acid was a scheduled poison. (Applause.) Sir James then went off at a tangent and spoke of the abuse of medical charities. He was reminded of the Dean of Bristol, who when a young clergyman became a candidate for one of the West-end churehes. He found, however, that the stipend was only 30*l.* a year, and demurred somewhat, whereupon the reetor said he seemed to forget that the church was in the great medical district, and if he fell ill at any time he could get sixteen of the most eminent physicians in Harley Street to attend him for nothing. (Laughter.) Sir James did not admire this throwing in of doctors as a perquisite, like a Cook's trip. Perhaps some present might ask why he should refer to the abuse of medical charities on that occasion, but he could assure them that it also affected their profession. He had learned that certain hospitals in London had adopted the custom of selling the drugs they supplied. The medical advice was given free, but drugs were charged and paid for. This he considered to be a gross abuse of public institutions, for if a person could afford to pay for medicine he ought to go to the nearest druggist's shop. Their President in the course of his speech referred to his (the speaker's) inaugural address. Their President must be a bold man, for he was bound to remember that through that address he was made the subjeet of a coroner's inquest. (Laughter and applause.)

"A b has been advertise to the drug-trade purp ting to deal with Dis es and their Remed ."

ANNUAL MEETING.

THE advertisement said that "the fifty-eighth annual general meeting of the members of the Pharmaceutical Society of Great Britain will be held at the House of the Society, 17 Bloomsbury Square, London, W.C., on Wednesday, the 17th day of May, 1899, at 12 o'clock noon precisely, to receive the report of the Council, and to elect the Council and auditors for the ensuing year." At noon there were about eighty members present, but by the time the President was in the full swing of his address the number had increased to about 100, apart from the members of the Council, who were Messrs. M. Carteighe, O. Corder, J. F. Harrington, A. Southall, A. Bateson, W. Warren, C. B. Allen, C. J. Park, A. L. Savory, W. G. Cross, W. Martindale, J. Rymer Young, Chas. Symes, A. Bottle, S. R. Atkins, besides Mr. Walter Hills (President), in the chair, and Mr. Newsholme (Vice-President), who sat beside him.

The annual report and financial statement were printed in THE CHEMIST AND DRUGGIST of May 6, and we need only now recall that the report was arranged in paragraphs as follows:—

Finance	North British Branch
Examinations	Honorary and Corresponding Members
Evening Meetings	Parliamentary
School	Poison Regulations
Libraries and Museums	The Companies Question
Council	

Pharmacopœia Revision	Legal
Chelsea Physic-garden	Benevolent Fund
Scholarships	Obituary

These paragraphs were couched in more or less stereotyped phrases, except the Parliamentary one, which told how Minor and Modified men have become eligible for election as members, and how some have taken advantage of the opportunity; also that the Poisonous Substances Bill had been defeated. The companies-question paragraph dealt with the Lord Chancellor's Bill, and how it was evolved from more ambitious proposals submitted by the Council in February. The need for defeating the Lord Chancellor's Bill was delicately hinted at.

The financial statement showed revenue amounting to 16 280*l.* 4*s.* 6*d.*, of which 9 672*l.* 19*s* was from examination-fees, 4 802*l.* 12*s.* 6*d.* from members' subscriptions, and 1,467*l* 5*s* 8*d.* from school fees. The expenditure amounted to 17,120*l* 13*s.*

Besides these matters there was down for discussion a motion by Mr. Glyn Jones, referring to dispensing in doctors' surgeries, which the President would not allow to be put because it presumed to discuss outside bodies (the Privy and General Medical Councils). The subject was discussed, however, and referred to the Council for consideration.

The President's Address.

The report having been taken as read, the President said that in accordance with his usual custom he proposed to make a few remarks with reference to it. He did not intend to speak at any length or to go into matters of detail, but proposed to speak on one or two paragraphs of interest to the members. He said: We are here, gentlemen, to give an account of our stewardship during the last twelve months, and I take it that you, as business men, do not wish to hear too much talk. You are here to say "Yes" or "No" as to whether we have on the whole merited your approval and shown to the best of our ability what we are doing for the interests of the Society and for its members. Of course the general work of the Council has met with hostile criticism—uniformly hostile from some quarters, and not always consistent—but the question is, gentlemen, have we acted for the best under the circumstances at the time? Have we generally done well, and have our conclusions been generally wise? I wish, first of all, to recall the fact that during the last year we have lost from the Council one of our most active members in the person of our Treasurer, Mr. Hampson, who has been obliged to retire through ill-health, and we sincerely hope that in the quiet of his retirement his health may be restored to him.

Finance.

The first part I should like to call your attention to is that of finance. You will notice that the financial statement has been drawn up in a different form from that in which it has hitherto been presented to you. You will all agree with me that the accounts are considerably more satisfactory in this manner, and I would ask you, in looking at this statement, to bear in mind that such is the case, and not make your comparison—or rather to wait until next year, when this account will be presented in the same form—before you come to any conclusion as to the exact position of affairs. It will be seen that there is apparently a considerable adverse balance, but I have to call your attention to the fact that there have been peculiar circumstances. We have spent a considerable amount of money on the expenses connected with the passing of the Pharmacy Acts Amendment Bill of last year, and we have also spent some more on what I hope is a very wise scheme—viz., the redemption of the leases on our property, and I should also mention that, as you will see, there is still a considerable adverse balance on the *Journal*. I am bound to say with reference to the *Journal* that although in many respects it is satisfactory still I should like to see this adverse balance reduced, and I have reason to believe that in the course of the next twelve months, owing to arrangements which we are now completing, and which are practically made, my successor in the chair will be able to show you that this adverse balance has been very much reduced. It has always to be borne in mind, gentlemen, that the *Journal* is now sent to an increasingly large number of members, to honorary members and corresponding members, and, moreover, that the *Journal* itself has been considerably enlarged from time to time. There has been a good deal more matter printed during the past twelve months and for this we have to pay. I am not myself very much exercised about this apparent adverse balance, and, as it will be generally admitted we are doing good work, we may look on the revenue account this year without any feeling of anxiety. I am glad to say that during the present year we have had a large accession of members, and to that extent we shall benefit financially, and I think from that point of view we shall have a considerable saving on the general account.

The next matter to which I would call your attention is the Poisons Regulations, but as it was only quite recently a special meeting was convened on the subject I do not intend to speak at length. Personally, I am pleased to think that at that meeting the poisons recommendations were approved of and made compulsory regulations unanimously. A wise action was thus taken by the Society, and we have no reason to think that any serious inconvenience has arisen from the resolutions.

Pharmacopœia Revision.

This is a subject in which considerable interest is being taken, and I am glad to think that new arrangements have been made respecting the future revision of the British Pharmacopœia. In past times the assistance of pharmacists has been given in various ways, not altogether satisfactory, although the work has been generally recognised as exceedingly advantageous by those who represent the General Medical Council and by others. I am sure you will all agree that the work which was done by the Pharmacopœia Committee of the Pharmaceutical Society during the last few years in the production of the Pharmacopœia which was published last year was exceedingly valuable, but it was the method by which that help was given which was not at all satisfactory. I am glad to think that under the new arrangement those who represent us and those who represent the G.M.C. will be brought into direct conference and the work will be commenced at once, and for the production of the next Pharmacopœia our members will meet in conference with the sub-committee of the Pharmacopœia Committee of the General Medical Council and they will arrange what work has to be done. They will also consider the various criticisms which have from time to time been made, and I believe that in this way we shall get one of the best compilations in existence.

Chelsea Physic-garden.

It is very satisfactory to find that the Charity Commission has recognised the importance of having a representative of the Pharmaceutical Council on its managing body for the administration of the garden. I am glad to think that Mr. Carteighe has been appointed to represent the Pharmaceutical Society on that important body.

Pharmacy Acts Amendment Act, 1898.

Twelve months ago we were in the throes of the conflict, and things looked a little gloomy; but, as you know, after continual uphill work and putting our shoulder to the wheel, we disarmed opposition, and were enabled to get the Bill through. As far as we have been able to judge of results, that Act has met with general approval, and we have had a large accession of members. I am bound to say that I am not quite satisfied with the number, but still I am glad to think that we have had a large addition to our roll. When I tell you that at the present moment we have 9,000 new members, less seven, I think you will agree that that is fairly satisfactory. Of associates not in business 675 out of the total number, or two out of every three, have joined the Society as members, leaving a balance of about 1,000 new members, at least. The result of the work that I did in the Houses of Parliament in connection with the Pharmacy Acts Amendment Bill shows me what a large amount of influence the chemists and druggists of this country have if they will only work together. The Bill having got successfully through the House of Lords, we had to deal with it and try to get it through the House of Commons. You all know what happened at the stage of the third reading. The Council have been called to task because they were not willing to accept the amend

me which was moved at the third reading of the Bill in the ouse of Lords by the Lord Chancellor dealing with lim d companies. Notwithstanding what has been said fro hostile point of view, I believe we carried out what was e general wish of the members of the Society at that par ular juncture. (Applause.) The amendment of the Lor Chancellor was one which we could not accept. It wou very likely have stopped the passing of the Bill alto ther, and it did not meet our requirements at all, and the ore, under the circumstances, we induced the Lord Cha ellor to withdraw the amendment.

Wh reference to the Poisonous Substances Bill which was ought into the House of Lords and introduced by the Duk of Devonshire, I do not think it necessary to say any ng except that it affords us another proof of the con erable amount of influence we have. It is wonderful to th k that a few letters from the headquarters of the Soc y should influence our members of Parliament in the dire on which we think desirable, or in a way which we thin is antagonistic to the public interest.

Company-pharmacy.

T companies-question is one which we might talk about for ong time. (Hear, hear.) I have had opportunities of givi my views with reference to it on various occasions duri the past two months, and I think that the action of the ouncil has been a wise one. I hope that you, gentlemen will also agree that we have acted wisely. I have seen som here a certain criticism of a remark that has been mad in the report that "the exertions of the Council to secu an amendment of the law under which incorporated com nies are permitted to evade the Pharmacy Acts have cont ued without intermission for the past four years; but it is be regretted that no successful issue can be reported." Tha tatement is strictly true. I can say that the efforts of the uncil have been continuous to promote the objects whic we have in view for more than four years. We have duri that time had this subject under our consideration, and e have, to the best of our ability, tried to get an alte ion in the law in the direction in which many of us wish o see the law amended. I would remind you that a De rtmental Committee of the Board of Trade, appointed in N ember, 1894 considered, the advisability of an altera- tion n the Companies Act, especially in relation to the fina al aspects of the question. There was a report of that ommittee, and with that report a Bill was drafted whic did not contain a clause dealing with the question at issue I would remind you that my illustrious predecessor drew p a splendid amount of information with reference to this bject, especially as regards the one-man companies, and supplied this information to the Committee of the Boar of Trade, which was afterwards published with their repo The Committee said it was not within their reference, and e had, subsequently, conferences with other profes- sion bodies interested in the question, and there were seve meetings held on these premises, at which some of us w e present. The information, as I have already hinted, whic appears in a Blue-book was given by the Society. A d tation went to Mr. Ritchie, in November, 1896, cons ing of representatives of our own Society and repr ntatives of medical and dental bodies. Mr. Ritchie recei d ns at that time with a considerable amount of s pathy, but he also doubted whether the Com- pani Act could be amended in the terms we thought desi le. We all know of the Lord Chancellor's Bills now efore the House of Lords. We have no complaint to r ke against our medical friends because they are treat so differently from ourselves. We do not think that they ish that it should be so, but no doubt the Lord Char llor thinks that the conditions affecting medical and dent practice and those affecting our own members are some at different. There is a difference, but generally I thin that we stand on all-fours; and I think that the Legi ture having declared in 1868 that it was for the safet of the public that persons who keep open shop for the le and dispensing of certain poisons, and call them ves pharmaceutical chemists and chemists and drug- gists ould be trained and educated and examined—I think it is ly reasonable to argue that the Legislature should, as fa s possible, protect those men in the carrying on of their alling, so far as it is not antagonistic to the public interest. I do not believe that argument has been used with sufficient force. Capital is not necessary for the profession of a medical man or of a dentist, or possibly of a midwife. I am not prepared to say that any large amount is necessary for the carrying on of the strictly professional duties of a pharmacist. I am willing to admit that the general business of the chemist and druggist throughout the country is of a mixed nature. We have no desire to ask that we shall have protection for the general business we do, but we ought to have protection for the carrying on of the part of our business which deals with pharmacy proper. I cannot help thinking that these companies are being formed to do as much dispensing as they can, and, naturally enough, to carry on the general business of chemists and druggists. Well, there is no objection that they should carry on the business, but there is an objection that they should form themselves into a company to obtain the titles of pharmaceutical chemists and chemists and druggists, and so induce the public to deal with them under the impression that they are persons duly qualified to dispense medicines. I think that the line which has been taken by the Council in sending the Suggestions to the Lord Chancellor dealing with the companies-question was quite a wise one. We have taken the view that as a company of persons cannot be qualified, they should not be allowed to call themselves chemists and druggists, or do what an unqualified person is not allowed to do. I am bound to say, gentlemen—and speaking for myself—that if the Lord Chancellor had seen his way to send some suggestions to us, I feel sure they would have been very carefully considered. Indeed, if the Lord Chancellor had said, "There are certain special reasons why I cannot draft a Bill exactly on the lines you submit to me, but here are some suggestions from me which are for your consideration," I am sure that we should have considered them very carefully, and that something of a constructive nature might possibly have arisen from such a course of action; but, as you are all aware, the Lord Chancellor has not in any way approached us. After the interview which I had with him in August last year, and with our suggestions before him, he has introduced in the House of Lords two Bills side by side, and if one Bill had alone appeared, that would have been bad enough, but when a Bill which deals in a totally different way with other bodies who are in many respects in the same difficulties as ourselves, and who are carrying on professional duties similar to those which we carry on, it is only natural that we should feel almost angry. I hope, gentlemen, that you will do all you can to assist the Council in opposing the Bill as it now stands before the House of Lords, and if the Bill should come to the House of Commons you will all help to stop it making further progress. I myself am inclined to think that this Bill will not go any further this Session; but of course that is only my opinion. I do not think we shall be called upon to squash it—if I may use such a word—or to amend that one affecting the medical and dental professions.

The only other paragraph to which I need refer now is that called

Legal.

I have recently given expression to the view that our prosecutions were in many cases very unsatisfactory, and it was suggested that I should perhaps give a little more lengthy reasons for making such a statement. After three years of experience in dealing with prosecutions, I must confess that many of them in the result have been highly unsatisfactory. Owing to judicial decisions, we have to prosecute the least offending persons—unqualified assistants in the employ of companies, and sometimes of individuals. I would just mention that last year we did not absolutely lose one case; still there were several cases in which we obtained judgment, and yet the result was very unsatisfactory—certainly from a financial point of view. Here are a few typical instances. One in which an unqualified assistant to a limited company sold a poison: we got judgment for penalty and costs, but nothing received—the assistant had no money to pay it. There was a lady in Lancashire who employed an unqualified manager at a branch-shop who sold a poison. We got judgment for two penalties and costs—nothing paid. Another case with which I was very dissatisfied was that of a youth who sold laudanum in a beer-bottle in a travelling van. We got judgment for two penalties, but

nothing was recovered, as the lad's pocket-money was not sufficient to pay, and his master declined to do so.

I would appeal to my friends throughout the country to assist the Council in every possible way to stop this practice of entering on branch businesses with unqualified assistants. I think it very important that we should try and make our own houses clean before we look at the cleanliness of other people's houses, and I hope our friends in the country will consider their position and see that the branch businesses which they think it wise to conduct shall be under the sole control of a duly-qualified assistant.

As regards the Council election now in progress, I hope that whoever the councillors are who may be returned they will continue to uphold the traditions of the Society. I have been now for many years connected with the Council, owing to the confidence which you have shown in me, and I am bound to say that I have seen a good many new members of Council, and have found that when they have been elected they have exercised at all times care to preserve the rights as far as possible of the members and uphold their interest. They have come to the conclusion that the general policy is a wise one, and have readily fallen into line with those of their colleagues who have had more experience than they have; and that the interests of those who belong to the Society, and of those who do not, are well looked after. The PRESIDENT then moved the adoption of the report and accounts, and

Mr. NEWSHOLME (Vice-President) formally seconded the motion. There was for some two or three minutes a general buzz of conversation, and it almost seemed that the report would have gone without criticism, when Mr. Lomas and Mr. Mackenzie rising together

CAME TO THE RESCUE.

Mr. JAMES MACKENZIE (Edinburgh), as one who had never hesitated to express his opinion when a critical one was necessary, was now pleased to support absolutely the remarks which had fallen from the President. He commended the alterations which had been made in the accounts, and presumed that the footnote to the balance-sheet was an intimation that the property was not to fall into the hands of the superior landlord?

The PRESIDENT explained that it was a redemption policy, insuring the Society whether the lease were renewed or not.

Mr. MACKENZIE thanked the President. In Scotland, once they got a piece of land and paid the feu for it they had it for ever. The English way seemed to be more of a remnant from the feudal system than theirs. He was disappointed with the new Pharmacopœia. It was not what was expected, and not what it should be. (Hear, hear.) High-class pharmacy was, to a certain extent, ignored in it. He hoped the Council would bear in mind the fact that the B.P. at present played into the hands of the cheapjacks and stores, because the processes were such that manufacturing could not be done on the smaller scale. The fact was the wholesale druggists had been too much interested in the Pharmacopœia. (Hear, hear.) They had a good book called Squire's "Companion"—to what, he thought a was wholesale reflection. Mr. Mackenzie gave an instance from the extracts, and went on to speak about the new Council, hoping that the members, whoever they might be, would look to the interests of the trade, and especially that they would see to it that as the State required the man who wrote a prescription to be qualified, the man who dispensed it should also be qualified. (Hear, hear.) As to the Lord Chancellor, he wished they had in England the same rule as they had in Scotland in the Court of Session, where counsel had the privilege of ascertaining whether the judge or judges were interested in the case before them. It recently happened in a stores case before that Court, out of thirteen judges only one was able to reply in the negative to the question, "Are you interested in this case?" (Laughter.)

THE PROFESSOR OF ETHICS.

Mr. HYSLOP thought the meeting would be unanimous in asserting that the company-question was the great question of the time, and likely to be so for some months to come. It was very important, in view of the fight, that they should simplify their ideas and modes of expression so as to fight with clean weapons, or rather brighter and sharper sw s. It was time for the death and burial of all such vague d nonsensical expressions as "trade-pharmacy," "high-as pharmacy," and suchlike expressions. They must go fth and speak either of pharmacy proper or pharmacy impr r. It was on such a question that the Lord Chancellor, i e might be allowed to mention such an august persona— and if he was wrong he hoped they would correct him d got into a muddle. Within half-a-mile of his own pharm y there is a branch "high-class" pharmacy in which, he d seen it stated, and he supposed it was true, his Lordship s shares. This branch establishment issues pamphlet a bundle of which the speaker showed) in the most ic ad e it has ever been done since the time that dirty old ma of "Romeo and Juliet" put off his filth and put on the mo n outside garment of decency. There was another aspec of the case, and a serious item. He held that in history e nineteenth century will be looked on as the time v n slavery and competition assumed new forms, and atta d their height. What could be more disgraceful and b- servient no, he meant subversive—than that rich n should have the power to put their money into bi- nesses they know nothing about. It is illogical all ro ; but when we come to see that this vile system is rely to invade those arts—which do good to all, rather n fill pockets—such as surgery, medicine, and pharmacy, n it seems that, if they could bring their arguments de d from the practical side of things before the House of Parliament, they ought to be able to make some impres n on them and on those coming after them. He (the spea r) thought the Council would be doing an enormous servi if it maintained the lines of the draft suggestions and w ld be content with nothing short of those suggestions. e Council for the last fifty or sixty years had been workin n lines of such beneficent nature as to tend now to place p- macy proper on a sure and solid foundation. It woul e found before long that not only was pharmacy proper a t of the great domain of medicine, but was becoming more d more, year by year, a more important branch of study, d one fraught with good to humanity at large. It was th the pioneer and the rearguard of medicine. In the fo e, pharmacy proper would attain a position more aud re answering to that which had been aimed at for years pt. The multitude came to consult a chemist at the begin g of their ailments before going to a physician. Pharmacy as becoming so complex in the present day, and shoul be freed from those impediments of trade which have n growing on it.

There was considerable interruption here, which ca d the PRESIDENT to call for order, as he said Mr. Hysicp as making his peroration.

Mr. HYSLOP, continuing, said it was far from his in- tions to weary them, but they must bring home to the rd Chancellor that the chemist in the pursuance of his m proper business is a man who often turns away as m h custom as he accepts for the benefit of the public at la e. They claimed from Parliament for these onerous duties e same protection as was afforded to other artists. (Applau .)

Mr. J. T. BARRETT said they should give the speakers ir play and courtesy, even if they did not agree with at they said. He regarded Mr. Hyslop's views as ae- diluvian. Pure pharmacy was known in London, and per pe in one shop in each good-sized town, but pure pharm y does not maintain one in fifty of the chemists of e country. They as a Society had to adjudicate on all cl s of chemists passed into the world, and could not ti e- fore adhere to pure pharmacy. He (the speaker) was t on all-fours with the Council; he believed they ought o occasionally have the other side of the question pu o them. His own connection with the Society had be n a quarter of a century ago, when it pleased e Society to give him his pharmacy degree, and he w d say it had not been of much use to him. (A Vo : "Rubbish!") Mr. Barrett, continuing, said they w d have to listen to a lot of rubbish in the course of a lifet , but the fact remained that the Pharmaceutical Society s playing up to the professional side of pharmacy and to e medical profession. The lines they were working on e stiffer examinations and greater qualifications, so as to s w medical men they were on all fours with them. Now, ha g gone on these lines they had come to failure, as when a li

troduced against the interests of chemists, the l Council would do nothing to assist them; they were for themselves The President had admitted that the ecretaries in the provinces could do a certain amount of Now, the other day he received the first circular he er received as local secretary, to the effect that the l did not think it desirable to appeal to the House of t present. The Council might, perhaps, know more t than he did, but it seemed to him

A Grievous Mistake,

y might have exerted considerable influence on f its members. The Council should be in touch with al secretaries and let them know something of what d at committee meetings. His advocacy was simply s they could not live by pure pharmacy alone, the l ought to consider the trading element more than ve done in times past.

Mr. Campkin confessed his surprise at the circular regarding the Lord Chancellor's Bill which had been issued to the ecretaries, but he thought if ever there was a case in the co-operation of the trade was needed it was that. (Hear.) His whole experience of the local members of ent was that when they were approached by their constituents they gave great attention, and he believed if that were roughout the country there would be no chance for the en it came down to the House of Commons. (Applause.) ng to the prosecutions in regard to the sale of , he said that the results were disheartening, but that owed the need of legislation on the point. (Hear, This was not a mere financial matter, but one of nfluence.

Mr. Lomas thought that chemists should bear in mind rds of the President that "union is strength," and ir power in the interests of the Society. They had s in their midst—members of the Society who carry ch-shops with unqualified managers—and he would suggest that the Council had a remedy for the evil. they not send a circular to all qualified chemists l them that if any of them carried on business with unqualified managers they would be considered guilty of infamous conduct, and their names would be removed from the list of members? They might, he also suggested, make candidates at the examination sign a declaration that they would in for these practices. In regard to the Chelsea garden, could the President tell him when it would ed to the public?

Mr. Jackson said that as the "widows' clause" was the cause of all the trouble in dealing with companies, would it not be possible to have an amended Act passed in which the clause was omitted entirely? The clause might have been a benefit years ago, but it was no benefit now. In his own case—(laughter)—he meant his widow's—he would not be his business carried on under a manager.

Mr. Glyn-Jones here rose to ask if the President would be good enough to say if the resolution he had given notice of was in order, as, if his resolution was out of order, he would like to say what he had to say before the report was adopted.

The President, in reply, said that if it would conduce to the progress of the meeting, he would say his ruling was that the motion was *ultra vires*. It was argumentative in character, and dealt with acts of another body which they were not called on to criticise. Nevertheless, he would be glad to hear Mr. Glyn-Jones give utterance to his views; but the resolution as it then stood was not one he could allow to be put.

Mr. Glyn-Jones said he would avail himself of their offer to move a motion after the report and raise the question before the meeting.

Mr. Barrett trusted they were going to discuss the matter of Mr. Glyn-Jones's motion, as if he had thought they were not going to discuss it he would have alluded to it in his remarks.

The President said he only objected to the form of the motion and not to the subject, and went on to deal with the remarks made on the annual report, which were not, he said, of a very scathing character. The question of sending more frequent letters to local secretaries was one which had been mentioned in reference to the wisdom of not opposing the Pharmacy Bill in the House of Lords. He thought they would all agree that it was a matter of opinion whether it was wise to move now. The Council took one view, but others took another view. One of the reasons why the Council came to this conclusion was that they did not feel it advisable to be continually approaching and wearying public men. He considered that decision a wise one, and more so in that there were no signs of progress in the House of Lords in regard to the Bill. He thought they had done wisely in not stirring up a lot of feeling throughout the country. They were desirous of the continued support of the local secretaries, to whom they owed much. The Council had no desire to play into the hands of London physicians Fourteen of the councillors resided in the country, and in the ranks of the councillors there was no distinction between country and London members. All worked for the good of chemists, and they tried to represent the views of all chemists throughout the country. In regard to the widows' clause, personally he was never very strong one way or the other, but if they wished to see his views they could see them in the suggestions sent to the Lord Chancellor. From them they would be seen to be something of a compromise, as it was absolutely impracticable to sell a man's business the day after his death or the day of his funeral, but he felt it was unnecessary and unwise to allow a business to be carried on for an unlimited length of time. They must give a reasonable time to those who were to benefit financially by the death to sell the business to a qualified man. This he thought a very different thing to allowing six or seven persons to combine to carry on a business for all time, or as long as their money lasted, under conditions granted to widows through exceptional circumstances. Replying to Mr. Lomas, he said they had no power to impose the conditions he suggested on candidates for examination, and he would not care to send letters to chemists on the subject of branch-shops, knowing they had no power behind them to enforce the suggestions.

Mr. Carteighe, in reference to the Chelsea Physic-garden, said the garden was being made ready for the public. It was at present, so to speak, "closed for alterations and repairs."

The President then put the adoption of the report to the meeting, and it was carried unanimously.

Dispensing in Doctors' Surgeries.

Mr. Glyn-Jones again rose to discuss the motion of which he had given notice, and which was to the following effect:—

That the members of the Pharmaceutical Society assembled in annual meeting respectfully express the opinion that the reply sent by the Executive of the General Medical Council to the Privy Council on the question of dispensing by unqualified persons is illogical and disastrous, as it undermines the principle which requires a legal qualification from those who undertake responsible duties involving the public safety; and that the General Medical Council be respectfully invited to co-operate with the Pharmaceutical Society to secure that medicines shall only be dispensed by those holding a medical or pharmaceutical qualification.

He presumed, from what had fallen from the President, that he and the Council objected to that motion being put. How else could the members have such matters brought forward than at an annual meeting?

The President said that he and the Council did not wish to stop discussion on the matter, and anyone was at liberty to discuss it; but they felt that it would be most unwise, if not *ultra vires*, to have such a resolution as Mr. Glyn-Jones's, referring to outside bodies, discussed. He hoped that the meeting would abide by the ruling which he gave.

Mr. Glyn-Jones did not quite follow the drift of the President's remarks, but he gathered that the President and the members of Council did not think it a wise motion to pass, and therefore they said it was *ultra vires*. That was really a matter for that meeting to decide, not for the Council to rule upon. They were there to discuss business affecting the interests of the members. He would put the matter in another way, viz.:—

That the members of the Pharmaceutical Society assembled in annual meeting respectfully express the opinion that the reply given by the Privy Council in the House of Commons on the subject of unqualified dispensers is unsatisfactory, and that the

Privy Council be asked to await representations from this Society before coming to a decision; that in the meantime the Pharmaceutical Council be asked to invite the General Medical Council to co-operate with them to secure that medicine shall only be dispensed by those holding a medical or pharmaceutical qualification.

He took it that the President objected to the previous motion because it referred to the General Medical Council. He would now put it in that way——

Mr. Carteighe intervened, submitting that if the President ruled a thing out of order he did not require to give a reason for it, and he held that the new motion was equally *ultra vires*. This was a meeting called to discuss the affairs of the Pharmaceutical Society, and they had no right to discuss the affairs of the Government or any other outside bodies.

The President ruled the new motion out of order, but said he could take the last three lines of the original resolution, viz.:—

That the General Medical Council be respectfully invited to co-operate with the Pharmaceutical Society to secure that medicines shall only be dispensed by those holding a medical or pharmaceutical qualification.

Mr. Glyn-Jones could say what he liked about outside bodies, but he could not put motions about them. It was better that that should be left to the Council, of which Mr. Glyn-Jones might be a member shortly. (Hear, hear.)

Mr. Glyn-Jones submitted that members had a perfect right to take cognisance of any question in the House of Commons, and if a question of dispensing did not interest them he did not know what did. (Applause.) In his opinion the resolution did not touch any other body: they were merely asking the Privy Council not to come to a decision on the question of unqualified dispensers until they heard from the Council. He considered the reply of the Government very unsatisfactory. He was there for action, not merely to speak. (Applause.)

The President said some years ago there was a question raised as to the presence of blackboards inscribed with the names of the benefactors of the Society, and the meeting decided against the boards, but the boards were there yet. (Laughter.)

Mr. Glyn-Jones said he had no opinions to offer about blackboards; but if the President would direct the shorthand writer to take down the motion he had now to propose he would dictate it, and it would be seen that it was quite in order. [The last printed motion was now formally given to the President.]

The Vice-President said the motion did not seem to differ from the one ruled out of order.

Mr. Wright inquired if the sense of the meeting could not be taken as to whether Mr. Glyn-Jones's remarks were to be heard.

The President said he could not see his way to submit the resolution, as it still mentioned a public body.

Mr. Glyn-Jones said that as members of the Society they were quite competent to discuss at that meeting acts of the Government or the Privy Council affecting their interests

Mr. Mackenzie here suggested that Mr. Glyn-Jones should be allowed to fire his shot and be done with it.

Mr. Glyn-Jones replied that he was not there to fire shots—he did not want to make a speech—but to get the members to come to some definite action about this all-important matter. (Applause.)

Mr. Atkins said, although it was an unwritten law that members of the Council did not speak at the annual meeting, but came there for a sort of bear-baiting, still, as an old member, he would like to say he loved free discussion. Criticism was the life and salt of public life. Mr. Glyn-Jones was a charming speaker, and he would like to hear him. A resolution referring the question back to the Council to consider, could not bind the incoming Council. The meeting was not a debating society, and they could not bind the Council to carry out anything. He was anxious to know Mr. Glyn-Jones's views, if he liked to state them, and then the whole question could be referred back to the Council.

Mr. Glyn-Jones was not to be smoothed by Salisbury soft sawder, and to it replied: "I simply ask you to rule whether this new motion is out of order or not. I ask your ruling, Sir." There was marked emphasis on "your."

The President: I must rule it out of order.

A Third Motion Tabled.

Mr. Glyn-Jones was now compelled to fall back upon President's suggestion to take the last three lines of original motion, viz.:—

That the Council of the Pharmaceutical Society be respectfully requested to invite the co-operation of the G.M.C. to secure medicines shall only be dispensed by those possessing a me or pharmaceutical qualification.

This is a slight alteration verbally of the original, but sense is the same, and Mr. Glyn-Jones in quite a sly asked the official shorthand writer to take it down, the re being that everybody took it as quite a new motion.

The President evidently thought so, for he said: I still bound to say that Mr. Glyn-Jones is out of order the Council has, according to the by-laws, section 20, to-day and decided the order of business, so that original motion having been withdrawn, anything fresh is brought forward is *ultra vires*. But I believe I will h the support of my colleagues and the feeling of the meet it I rule this motion in order. (Hear, hear.)

Mr. Glyn-Jones thanked the meeting and the Presid for the clemency they had shown. He thought a good of time would be spared if the President could come t early a decision as possible as to whether motions were order for submitting to the annual meeting and communic with those who were going to move them. (Hear, hear.) hoped the meeting would see that he was not respons for the time wasted.

The President replied that if the notice had been either to him or the Secretary alone something would h been done, but on opening his journals the morning after Jones sent in his, he found the resolution in the other tr organ, and that gave him no choice in the matter.

Mr. Glyn-Jones briefly recited the history of question, showing how the Chemists' Assistants' Un in October last, passed a resolution calling the attentio the Pharmaceutical Council to the subject, which resolut the Council referred to a committee none too sympath cally; indeed, one member went so far as to rem that the Union did not know what they were t ing about—a remark which Mr. Glyn-Jones stron deprecated in itself, and also because of the spirit wh it showed. Then the Heaton Norris poisoning-case occur in January, and this he described, pointing out that if Pharmaceutical Council took a proper interest in members' affairs the case would have been watched, a the Society would have been represented at the adjour inquest. A number of local associations had called Council's attention to the case, with what result he did know. It appeared to him nothing had been done. had written to the Privy Council about it as well as to Pharmaceutical Council, but, apart from what he had s reported in the *Journal*, he had no acknowledgment wh soever of his communication. The Privy Council h referred the matter to the General Medical Council, wh committee had reported upon it in the meantin Regarding all the facts, Mr. Glyn-Jones maintain that this was a matter which the Pharmaceuti Society should seriously consider, and, as as he could gather, the only objection to motion was that it was a delicate question. He said it w a most serious question for 80 to 90 per cent. of the memb of the Society. (Hear, hear.) They were turning o qualified men year by year to do what? Pharmacy prope Why, 90 per cent. of them would have to close up th shops if they had to live upon pharmacy proper. But d anybody know what pharmacy might be? At the dinn the previous evening Dr. Church had paid them some pret compliments, and referred to the tablefuls of dainty sampl of pharmaceuticals which doctors received—a good many them—from Wellcome, Burroughs & Co. Another speak who had "science" on his mind, was much of the sa opinion. His (Mr. Glyn-Jones's) definition of pharmacy w that it was the dispensing of medical prescriptions—(hea hear)—a thing which was not now in the hands of chemis and druggists, but in the hands of medical me Let them get out of the fool's paradise in which they fou themselves if they were not to have dispensing. Why a

then o subscribe guineas to provide pharmaceutical edu-
catio if their business could be conducted by men
with t any sort of qualification? (Applause.) He knew it
was delicate question, but let them know where they
were and the sooner the better. It was all very well for
med l men to say they were the handmaid of medicine,
whi position they at present occupied with little pay and
prec s little dispensing to do. (Applause.) He considered
the nstitution of the Society depended on some answer
bein given before long to this question. They could not
expe men to keep on qualifying when there was no
pha acy to do. The Government's reply to the question
rece ly asked in the House was that accidents were
rare When asked how they knew they were rare the
repl was that they inferred so from the fact that
such ccidents were not reported to them. Major Rasch
had nsented to ask a further question as to whether
disp sing-accidents are reported to the Privy Council
and who reports them. In regard to the suggestion
that he could ventilate the question on the Council,
and ith all due thanks to the gentlemen who were buoy-
ing m up for to-morrow by telling him he was certain to
be e ted, he would not refrain from expressing his opinion
of t General Medical Council. How did they know that
acci nts were rare? It was surely too great a strain on
the tegrity of a medical man to expect him to report such
acci nts, and utterly ruin himself. The General Medical
Cou il say that the responsibility of the employer is the
best heck for the assistant; but why did they not employ
the me argument in the case of unqualified assistants? A
mer er of Parliament told Major Rasch he was very inte-
rest in the questions he was putting to the Honse, as he
(the I.P.) was once nearly poisoned with arsenic, and at
that ime was astonished to find that all that conld be done
whe such a mistake happened was that his executors could
com down on the medical man if he was good enough for
dam ges.

The Responsible Owner.

H said that was illogical, and, if accepted, it meant just
the me as if the man who manages a ship need not have
the aster's certificate if the owners of the ship were made
res nsible for his mistakes. Mr. Jones maintained it to be
the ty of the Government to say that such mistakes should
not e made either by medical men or pharmacists. He knew
he uld be told that they should not discuss this matter,
owi to the delicate relations with the medical profession;
but e would remind the meeting that the "lean men" of the
me al profession were their worst opponents. They had
not ng to thank them for, because they were prepared to
sup y any drugs, even trusses, if they were wanted. He then
pro eded to quote from a case heard at Glasgow, in which
a y of 16½ was acting as assistant in a doctor's open
sho and was prosecuted under the Pharmacy Act by the
Ph nacentical Society for dispensing a prescription con-
tai g poisons. The case was defended by a society of
me al men, who maintained it to be their right that they
cou have dispensing done by boys of 16½ if they chose. He
qu d from the report of the case remarks by the Lord
Ju ce Clerk, who said that doctors must provide qualified
pe ns to dispense poisons in their absence.

I was told that they were now at a great crisis, and that
it s an awful time to raise the question, but personally he
di ot find it so. It had always been the same ever since
he as connected with pharmacy. He was not in the least
bit ightened, as the Bill before the House would not do
mu if it got through. Why he wanted the question dealt
wi now was because they had a typical case before the
pu c, and the Government were having, and would continue
to ve, their attention drawn to it. The General Medical
Co cil were pledged to consider the question at the end of
Ma and therefore it was important that that meeting
sh ld express its opinion. (Loud applause.)

ere was a competition between Mr. Griffiths, of Ciren-
ce r, and Mr. Barrett, of Leamington, to second the
mo on, but the former was called upon by the President.

r. Griffiths said he had a great deal of sympathy with
th motion, for his Major qualification got very little
ex cise. From what he knew of medical men he felt that
a eat many of them would be glad to co-operate with
th n in this matter. He felt quite sure that if pharmacists
got more dispensing there would be a great deal less
counter-prescribing. (Hear, hear.)

Mr. Barrett followed by taking into consideration the remarks of the President regarding the desirability of all dispensers of medicine being qualified, and saying that all should do what they could to push it along, but they must take care that in asking medical men to employ qualified dispensers the latter did not turn round and say, "Yes; and is all your dispensing done by qualified persons?" He knew that fourth-year apprentices were employed at the dispensing-counter—not in Leamington, but even there some violation of the spirit of the law occurred. As to the position of the Bills in Parliament he strongly commended to the attention of the Council the article which had appeared in last week's *Truth*, which put their case very well (Applause.)

An Amendment.

Mr. E. N. Butt said he sympathised greatly with much that had been said that day, but he hoped the meeting would not pass the motion, for fear it might be taken as expressing want of confidence in the Council, and he accordingly moved, as an amendment—

> That the whole question be referred to the incoming Council for consideration,

which amendment was seconded by Mr. Arkinstall.

Mr. Barrett queried if that was a proper amendment to the motion; and there was a good deal of consultation between the President and the Solicitor, which resulted in the President intimating that it was an amendment, because the motion was to commit them to one line of action, while this amendment directed them to take another line.

Mr. Mackenzie then briefly referred to the chemists apprentices dispensing, pointing out that that was always done under qualified men, but in medical dispensaries there was no such supervision.

Mr. Glyn-Jones then replied, remarking that Mr. Barrett had said that they should see that their own hands were clean in this matter; but he would point out that two wrongs did not make a right. (Laughter.) And as to unqualified dispensing in chemists' shops, he maintained that unqualified men were kept because there was not sufficient dispensing to do to pay for a qualified man. He strongly urged the meeting not to leave this matter to the Council, because the Council had not for the last eight months made any sign about it, and the meeting was competent to express an opinion upon what the Council should do.

Mr. Winans and Mr. Barrett then spoke briefly, and the President wound up the discussion by pointing out to Mr. Glyn-Jones that his aspirations would be largely realised by the publication of his remarks, and it was best for him to leave the matter in the hands of the Council. The President strongly urged the meeting to agree to Mr. Butt's amendment as it did not reflect on the Council, when Mr. Jones interrupted by saying that it was rather unusual to put an expression of opinion from the chair. The matter was then put to the vote. The first vote was so large that the President declared that he could not count it. It seemed to be almost equal voting, the number against Mr. Butt's amendment being, apparently, slightly the larger. A second vote was taken, but no count, and this time those in favour of Mr. Butt's amendment appeared to predominate, but the President would not declare the numbers. Meanwhile members of the Council had been holding up their hands, and Mr. Glyn-Jones asked if they were entitled to vote on a matter which affected them. Mr. Flux, Solicitor, indignantly declared that they had voted before, and their voting had never been called in question. He was astonished to hear the objection, to which Mr. Glyn-Jones replied that that was no reason why they should vote now. He simply put it as a matter of good taste, that members of Council should not vote on a matter closely affecting them. This hint had no effect, and when another vote was taken, with the movers of the motion and the amendment acting as tellers, there voted for the amendment 56, and against it 48. As all the members of Council, except the President and Dr. Symes, voted for Mr. Butt's amendment, it thus appeared that without the Council votes Mr. Glyn Jones would have succeeded. Mr. Butt's amend-

ment was then put to the meeting, and carried unanimously, said the PRESIDENT—*nem. con.*, said Mr. GLYN-JONES.

CONCLUDING BUSINESS.

Scrutineers for the voting were then appointed.

The Registrar exhibited the registers as required by the Act.

Messrs. E. W. Butt, F. H. Lescher, S. L. Stacey, Charles Umney, and F. Yates were elected auditors.

On the motion of Mr. S. R. ATKINS, who highly eulogised the President's personal qualities, seconded by Mr. WINANS, the President was thanked for his conduct in the chair, and in reply Mr. HILLS said he was presiding for the third and last time. It was then announced that the meeting was adjourned until next day at 3 o'clock.

COUNCIL ELECTION.

THE adjourned annual meeting took place at 3.10 on Thursday afternoon.

The PRESIDENT called on Mr. Butt, the chairman of the scrutineers, to read his report.

Mr. BUTT'S report showed that 5,463 voting-papers were sent out and 3,723 were returned, and of these 21 were disallowed and 24 received too late, leaving 3,688 voting-papers in order. The result of the scrutiny was as follows:—

Candidates elected		Candidates not elected	
Carteighe, M.	2,575	Bottle, A.	1,722
Young, J. R.	2,291	Druce, G. C.	1,498
Harrington, J. F. ...	2,168	Campkin, A. S.... ...	1,088
Park, C. J.	2,155	Smith, J.	639
Harrison, J.	2,068	Wright, R. E.	580
Glyn-Jones, W. S. ...	1,927	Morrison, J. W. T. ...	465
Southall, A.	1,779		

The PRESIDENT then declared the list of councillors for the ensuing year, and said special interests attached to the election this year on account of the coniderably-widened constituency. He proposed a vote of thanks to the scrutineers, which

Mr. GLYN-JONES seconded, and said he was sorry there was not a larger number of members present to express their thanks to the scrutineers for their heavy task.

Mr. MARTINDALE also supported the resolution, and said the increased number of voting-papers returned (3,723 against 1,993 last year) showed the interest taken in the Society by the enlarged constituency.

Votes of thanks were then proposed and carried to the chairman of the scrutineers and the President.

Mr. BUTT, in replying, said the excess of votes recorded this year almost exactly represented the number of new members.

The meeting then closed, and the scrutineers adjourned for cigars and coffee at the invitation of the President.

Deed of Arrangement.

Bentley, John Thomas (deceased) (by administratrix), late 21 Mill Hey, Main Street, and 10 Lindon Street, all Haworth, and Lowertown, Oxenhope, chemist and druggist. Trustee, John Hugill, Keighley, accountant. Dated, May 10; filed, May 11. Liabilities unsecured, 1,153*l.* 8*s.* 5½*d.*; estimated net assets, 639*l.* 18*s.* 5*d.* The following are scheduled as creditors:—

	£	s.	d.
Allen & Hanburys (Limited), London..	13	0	0
Ayrton & Saunders, Liverpool	22	0	0
Bentley, Mary Jane, Keighley	182	0	0
Bleasdale (Limited), York	41	0	0
Bowen & McKechnie, London	11	0	0
Eastman Photographic Company (Limited), London	11	0	0
Evans, Sons & Co., Liverpool	246	0	0
Fowlds, William, Keighley	10	0	0
Hirst, Brooke & Hirst (Limited), Leeds	23	0	0
Holmes, Joseph, Cleckheaton	204	0	0
Ling, Harold Charles, Keighley..	154	0	0
Raimes & Co., York	20	0	0
Sneed, John, Keighley	40	0	0
Bankers' claims	24	0	0

Gazette.

PARTNERSHIPS DISSOLVED.

Harpin, R., and Hartnett, C. W., under the style of Reginald H a & Co., Liverpool, general-produce brokers.

Uhlmann, C. F. F. P., Zeitz, E. K. T., and Babinovitch, ., under the style of the Anglo-Saxon Mineral-water Company e Street, Hoxton, N.

THE BANKRUPTCY ACTS, 1883 AND 1890.

ADJUDICATION.

Menhinick, Charles Henry Foott, Plymouth, chemist.

ORDER MADE ON APPLICATION FOR DISCHARGE.

Mangles, John (trading as John Mangles & Co.), Didsbury and n-chester, drysalter—discharge suspended for six calendar months, e Oct ber 17, 1899.

How it is Done in New York

THE members of the New York Section of the Socie of Chemical Industry celebrated the fifth anniversa of its formation on May 2 by a reception and dinner. he out-of-town members were received by a committee i he afternoon at the Chemists' Club, and in the evening a ut two hundred members sat down to dinner in the ban t-hall of the Liederkranz Club. The dinner was presided er by the Chairman of the Section (Mr. T. J. Parker), nd among the guests were Mr. A. H. Allen (of Sheffield), o-fessor Raoul Pictet, Dr. Hess (of Berlin), Professor P. Sadtler (of Philadelphia), and many prominent chemists and chemical-manufacturers. About two-thirds of he members are of German birth, and the dinner took a distinctly Teutonic aspect. After brief addresses by he Chairman—who feelingly alluded to the services rend d to the Section by the late A. H. Mason, its founder and st chairman—and by Dr. W. J. Schieffelin, who presen a meerschaum cigar-holder to Dr. Hugo Schweitzer, the r-getic and popular Secretary of the Section, the only ad s of the evening was delivered by Mr. Carl Hanser (la of *Puck*, the American comic weekly), in the form of a r-lesque lecture on "Chemistry." Mr. Hauser kept he audience amused for three-quarters of an hour. He id that the greatest chemical achievement he was fam ar with was the Chemical Bank of New York (one of he richest corporations in the city). In pointing out he advantages reaped by the public in the matter of pure d and drugs, he also said that chemistry was responsible or the fact that nowadays we could not eat butter witho n appeal to the Pope—"O Leo! (Margarine)."

After this address a vaudeville performance was prese d and much appreciated, and somewhere in the "wee a' hours" the audience (what was left of it) adjourned t he "Stubenhaus" of the club, and determined the alco ic content of a number of samples of "extract of malt" v le singing songs and speech-making after the manne of the German university student. One of the features of e evening was the programme, which consisted of a burle e journal printed in imitation of the official jou l. Among the list of members elected (according to at journal) we notice the following:—

Dewey, George, Ph.D., Armour-piercing Ordnance Comp y, Manila, Ph. I., U.S.A., General Manager.

Aguinaldo, Emilio, M.D., Smokeless Powder Company, w and Arrow Brigade, Barracks, Iloilo, Ph. I., Foreman.

Alger, Russell A., Beef-preserving Company, Washington, C. (Temporary address.)

Kipling, Rudyard, Anti-pneumonia Germ Company, l el Grenoble, New York.

Under "Change in Address": Kolbe, Dr. Carl, i o Rade l, Armour Packing Company, Chicago, Ill.; Salicylic Acid M-facturing Company.

The journal also contained papers on "Asphalt," "e Analysis of Embalmed Beef," and numerous verses pertai g more or less to chemical subjects. Additional *éclat* was t to the occasion by the announcement that Professor Ch s F. Chandler had been nominated for the presidency of e Society. Many of those present wished to hear Mr. A. L. Allen, speak as well as other visitors, but there was o speaking.

Australasian News.

Chie from "The Chemist and Druggist of Australasia" · April, 1899, of which copies may be obtained from the ublisher at 6d. each.

T CHAMPION SWORDSMAN of New South Wales is Mr. C. J eterkin, chemist, 241 Elizabeth Street, Sydney.

N VOUS-DEBILITY ADVERTISEMENTS, and others of that natu are illegal in New Zealand. Dunedin booksellers are muc concerned about the matter, as they find several popu r periodicals contain such advertisements, and one of their umber has been fined. As being a matter which inter ts makers of proprietary medicines the *C.D.A.* prints more an a column about it.

D EASTERFIELD, the new professor of chemistry in the Vict an University College, New Zealand. as soon as possi e after he arrives out there is to be welcomed to the colo by a deputation of the Central Pharmaceutical Asso tion of New Zealand, who will endeavour to enlist his co-o ation in pharmaceutical education, which, we should thin e will do, considering the direction of his published work

C LT NITRATE AS AN ANTIDOTE TO CYANIDE.—Mr. . Wauchope, of the Woodside Cyanide - works, Sout Australia, states that three years ago he gave a ra it a solution of potassium cyanide, and in a few minu s the rabbit was apparently dead. Then he forced a solut of cobalt nitrate down the rabbit's throat, plunged it int cold water, and breathed into its nostrils. After the lapse f one minute the muscles showed signs of returning anim on, and in ten minutes the rabbit attempted to run away which it ultimately did. Mr. Wauchope has never had the c nce of trying it on man, but is sure of its good effect An excess of the nitrate is necessary.

W T IS A WHOLESALE QUANTITY? — This question worri the Federation of Chemists' Associations at Belfast, and w it has crept out to Sydney, where several store pers have asked it of the Pharmacy Board. The Boar were as cautious as possible, and instructed the Regis r to reply that they have no power to define a whol le quantity, but that in the event of a prosecution the M gistrate, in each instance, will have to decide what const tes a wholesale quantity. The Board promises not to pr cute so long as the dealers act *bonâ fide* in selling whol le—which is just, we fancy, where the new law pinch the storekeepers. They want to sell big quantities by re l.

South African News.

(*From our Correspondents.*)

O OF COURT.—Pieter J. A. Vos, the Keurfontein farme who was charged with contravening the Cape Medi and Pharmacy Act, was brought up for trial at the Victo West Circuit Court on April 6, and was acquitted becau the farm on which he resides is in the Richmond circui

PH MACY BILLS.—Our Cape Town correspondent, writing on Ap 26, states that "the Conference between the Medical Coun and the Pharmacy Board in reference to the proposed harmacy Bill will be held early in May. The reprint of the ill required by the Medical Council members is not yet iss d." A Transvaal correspondent informs us that the Pharm y Bill drafted by the committee of the Pharmaceutic Society Board was placed in the hands of the Gover ent by Mr. Glaeser, chemist and druggist, Pretoria, one of he members of the Society's committee.

CO MPTIVES.—Reference has recently been made in this c mn to the heartless manner in which many consumpt s are sent out to South Africa without means. Autho ies in Cape Town some time ago issued a warning about e matter, and this has been followed by a notice from t Board of Managers of the Provincial Hospital, Port Elizab h, in the course of which the managers point out that t climate of the coast towns is notoriously prejudicial to persons in any way affected by consumption. Those who would benefit from the South African climate must be able to reach the dryer atmosphere of the great Central Plateau, known as the Karoo. It is very difficult to obtain employment at any of the towns situated in the Karoo, and those who go there must have means to support them for at least some months, until the good effects of the climate enable them to seek employment at the large centres again. The managers trust that the medical profession will do all in their power to check the tendency of sending patients abroad in cases where the disease has reached a stage when cure is an impossibility.

CAPE CHEMICAL SYNDICATE (LIMITED).—Mr. John Parker presided at the annual meeting of this company's shareholders, held at the works, Elsie's River Halt, Cape Town, on April 24. The company manufacture artificia manures and sulphuric acid. The latter is made direct from sulphur, the single chamber which is used being 70 feet by 30 feet by 21 feet. The company also make hydrochloric and nitric acids in smaller quantities, as well as horse and cattle foods. The capital of the company is 6,000*l.*, of which 5 790*l.* is subscribed. In the course of their report the directors stated that the demand for sulphuric acid had diminished by half, owing to aërated-water makers having generally adopted sodium bicarbonate in place of chalk for the production of carbonic-acid gas. The company had also to meet severe competition with importers of the acid, and the year's trading was such that the profit only amounted to 12*l.* It appeared that this was made out of the bone-manure. The report was adopted, and on the recommendation of the directors the capital was increased to 10,000*l.* It appears that in order to pay a dividend on this capital the company must turn out 500 tons of bone-manure a year, the profit being 1*l.* per ton, but the local supply of bones is only 300 tons a year.

TRANSVAAL CHEMISTS AND METALLURGISTS. — The annual dinner of the Chemical and Metallurgical Society was held at the Freemasons' Hall, Johannesburg, on Saturday, April 8, Dr. Julius Loevy (President) in the chair. There was a large company present, and the speaking was good. In the course of his reply to the toast of "The Society," the President said that, on analysis, he had found it to consist of intelligence, intellectual faculty, self-confidence, and independence, 85 per cent.; other matter, which he was unable to determine, 1 per cent.; and fighting-spirit, 14 per cent. Their total membership was 507, against 87 in 1896, and amongst their members were such representatives of the natural sciences as Professor Coates, Professor Von Oettingen, of Leipsic, and Professor De Wilde, of Brussels. Their members were in all parts of the world. They had members and associates in South Africa, England, France, Italy, Germany, Belgium, China, India, Japan, United States, Mexico, Klondyke, and British Columbia. A week later the usual monthly meeting of the Society was held, when Mr. Crosse, in opening a discussion on a paper on "Chemically-pure Nitric Acid," read at the previous meeting, said his experience in Johannesburg was that it was very difficult to obtain pure chemicals. They could not get pure ammonia, and Dr. Loevy would tell them they could not get pure ether. It would be important if their Society could bring the necessity of keeping pure chemicals to the notice of the wholesale dealers. Dr. Loevy (Chairman) then said it was an absolute impossibility to obtain what they could call a pure chemical in the correct sense of the word in Johannesburg, especially acids, as nitric acid, sulphuric acid, and hydrochloric acid.

Colonial and Foreign News.

A BOTANICAL-RESEARCH GARDEN is to be laid out near the new Botanic Gardens in Berlin for the purpose of studying the different diseases amongst plants.

THE ALL-RUSSIAN PHARMACEUTICAL CONGRESS, which was to have been held this year, is postponed on account of the International Pharmaceutical Congress to be held in Paris next year.

REMOVAL.—The United States branch of Messrs. Evans & Sons (Limited), of Montreal, will shortly be transferred

from Boston, where it has been located for sixteen years, to 133 William Street, New York.

The Phœnix in Philadelphia.—Messrs. Wm. R. Warner & Co., of Philadelphia, are to replace the building in 1,223 Market Street, Philadelphia, which was burnt down, with a ten-storey structure. It will have a Pompeiian-brick front, and terra-cotta "trimmings," as they say when we speak of "facings." It will be a much bigger affair than their old place.

Extract of Meat for Italy.—According to an order issued in December, 1898, meat-extract containing 25–50 per cent. of salt was allowed to be imported into Italy free, but in January of this year it was decreed that it should pay general tariff, as the commercial treaty with Switzerland owing to which the former order was made does not sanction the importation of the product.

Arsenic for Dinner.—A cook at the Santiago del Estero Hospital, Argentina, committed a serious mistake one Sunday last month by sending up for dinner a plate of grated cheese mixed with arsenic, which was intended to kill mice. Fourteen people, including the cook herself and the dispenser, partook of the dish, with the result that two persons were dangerously poisoned.

Woman Triumphant.—A Berlin contemporary assures its readers that the question of admitting women to the medical, dental, and pharmaceutical professions in Germany is settled. "Those who are opposed to their admission into pharmacy will perhaps become a little more reconciled to the fact on learning that the same qualifications will be demanded from women as from the men"

Cinchona-trees have not become so cheap in Ceylon that their owners can afford to have them stolen. In the Dindigul district there are complaints on this score just now, and the police have laid their hands on a man who has been using cinchona-trees as rafters. They had been stolen from Mr. Vans Agnew's estate in Sirimalais. The Magistrate, entertaining some doubts about the case, discharged the man.

A Volta Centenary.—The town of Cornu, where Alexander Volta was born 100 years ago, is celebrating the centenary by a universal electrical exhibition, and in connection with this an international congress of telegraphists will be held from May 31 to July 3. The telegraphists will lay a wreath of honour on Volta's monument, with the inscription, "From the telegraphists of all the world to the great discoverer A. Volta."

Didn't Want an Ad.—A woman in Rochester, N.Y., has brought suit against a patent-medicine concern of that city for using in an advertisement the picture of herself and child in connection with a testimonial from some other individual. Her name was not mentioned in the testimonial, but in her opinion the publication of her picture constituted gross libel upon her, and she asks for $10,000 damages as a recompense for her outraged feelings.

Colombo Apothecaries' Company (Limited). — The directors' report of this company for the year ending March 31 shows that after writing off 1,250r. on account of the goodwill of the lease, 5 906 45r. for depreciation on fittings and furniture account, setting aside 7,500r. for bad and doubtful debts, and carrying 20,000r. to reserve account, there will be an available balance of 39,806 70r. The directors recommend a dividend of 10 per cent., which will absorb 35,000r., leaving a balance of 4,806 70r. to be carried forward. The gross profit on sales amounted to 223,085 07r., and a steady increase of business is reported during the year.

What is "White Pepper?"—A Hamburg merchant was recently prosecuted before the Court of that town for selling "extra fine washed white pepper" which, when chemically examined, was found to consist of common black pepper freed from the husk and coated with silicate of magnesia slightly stained with oxide of iron to imitate the colour of real white pepper, the proportion of silicate of magnesia in the pepper being from 12 to 18 per cent. The seller of the extra fine pepper was, however, acquitted, it being held that "as it is customary in the countries where black pepper is grown to free that pepper from the husk and whiten it with lime, no adulteration can be said to have taken place if this custom is followed in Europe."

Trade-marks in Turkey.—Firms who do business th Turkey are advised to be careful in regard to the sele on of trade-marks, and especially to avoid the use of he crescent and star in connection with articles of con on use. The Moslems are very particular on this point, a it is well that their susceptibilities should not be tou d. Equal care should be bestowed in the wording of a er- tisements. An exporter of toilet-soap, who was appo ed by Royal warrant "Soapmaker to H.M. the Queen," ha his phrase translated, and the translator used the title, w ch is applicable only to the Sultan, and the Customs autho ies would not admit the soap unless this advertisement ur- rounding the tablets was removed.

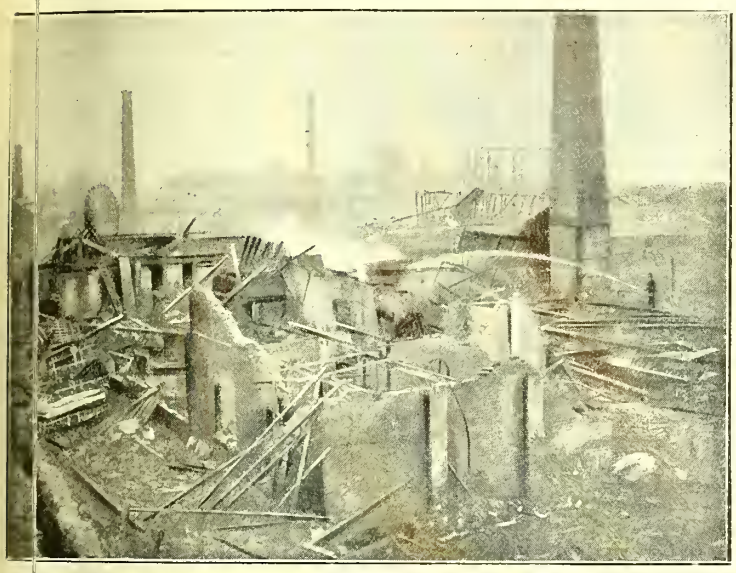
The Bee-keeping Industry in Siberia is still not very far advanced, although considerable quantities of h ey and wax are produced. In the Semipalatinsk distri in 1895, out of 15,000 bee-hives, 4,600 pud honey and 37 ud wax were obtained. In the Jennesei district in the me year, out of 44,000 bee-hives, 10,200 pud honey and 385 pud wax were obtained. In the Tomsk district nd especially in the southern part of it, bee-keeping has on- siderably developed since the beginning of this centu ou account of the wealth of flowering-plants there. I the whole Government there are 800,000 bee-hives, whi in favourable years produce about 300 000 pud honey. is not known how much of this is brought into the marke In general the price amounts to 5.50 to 7 roubles the pud (out 6*d.* per lb.).

Popular German Medicines.—The laws of Ge any restrict the sale of certain medicines to apothekers. ug- gists and others may not sell them; nevertheless, duri the official inspection in the first quarter of the current ar, some 300 odd monopolist articles were found in drug- res and other retail shops. The frequency with which ese articles were found may be a measure of their popu ity. We note the more important of them—viz., those whic ere found in more than six stores:—Sandalwood-oil ca les, 7; compound orange elixir, 9; fly-blister, 11; bro or Hamburg plaster, 18; restorative tea, 16; Hor el's hæmatogen, 9; Hamburg tea, 7; Kiviet's plaste 12; carbolic oils, 7; henbane oil, 9; pain-expeller, 10; oza pills, 9; compound liquorice-powder, 51; St Germai tea, 10; cough-tea, 44; Russian spirit (a rheumatic lini nt), 11; mustard spirit, 12; Haarlem drops, 8; Atheus dt's tincture, 7; tincture of iodine, 10; tincture of ani 8; rhubarb-wine, 48; blue ointment, 12; worm cakes, 9 nti- pyrin, 8; quinine and its salts, 8; chloroform, 12; cin na- bark, 9; worm-seed, 9; and rhubarb-root, 58 Of po ons, the most frequently found were colours or dyes, 50; sui ric acid, 12; caustic soda, 8; and spirit of salt, 7. There not very serious sinning in any of these things, but the res help to show that rigid law will not stop the sale of pi ic.

Ceylon Botanic Gardens.—The annual report the Royal Botanic Gardens of Ceylon for 1898 has recentl een issued. It deals with five distinct gardens, as well a with the exports of Ceylon economic products. We gathe rom the reports that coca-cultivation is not extending the island, for there was no demand for plants and eds during 1898 except from South India. The Ceylon c ate does not suit kola, some trees that were planted in 891 having flowered last year only. Cardamoms have s red severely from the attack of a sma pine butterfly, which damaged about 25 per cent. of the uit. The pest is very difficult to attack, as the caterpilla hide themselves during the daytime and begin operati s st night, when a single one will eat from four to five da- moms. Although the damage done is stated by the port to amount to 25 per cent. of the crop, the expo of cardamoms during 1898 showed a falling-off of only out 1 in 500 compared with the previous year The g ens continue to encourage planters to take up the camph ree, but they do not respond. During the past year one p ter obtained solid camphor by distilling prunings of his ees, and the yield was equal to 15 lbs. of camphor from a of prunings; whether he got 15 gr. or 15 oz. the report eth not. Ipecacuanha is also a disappointment, becau the Ceylon conditions of soil or climate are unfavourable its growth. The gardens have a considerable numb of plants, which they are willing to distribute to anyon who would like to experiment with them.

The St. Helens Explosion.

A ERRIFIC explosion occurred on May 13 at the Kurtz Alk Chemical-works, St. Helens, the property of the United Me i Company. Fire broke out in the cooling-chamber of wit s. Kurtz's chlorate-works, and in spite of all efforts the fire-appliances to extinguish the flames they spread



THE CHLORATE-HOUSE.

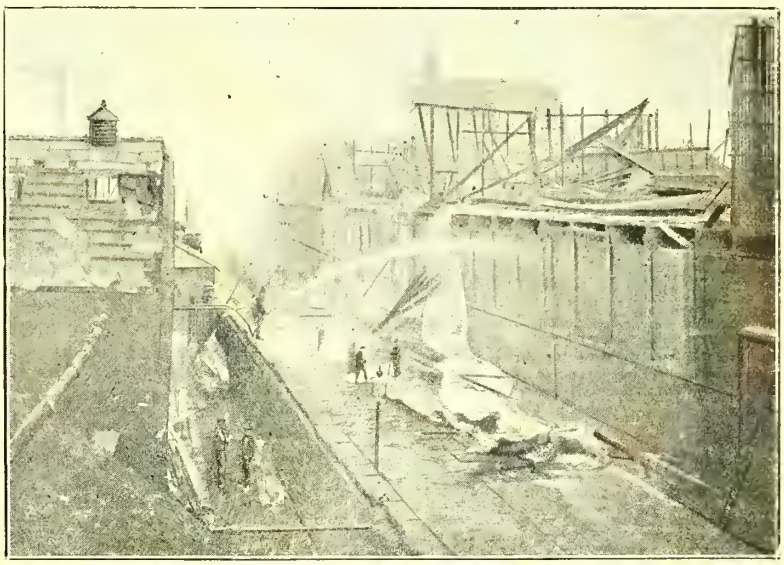
to t storeroom, which contained, according to the various repo s, from 80 to 160 tons of chlorate of potash. The whole of t exploded, shattering buildings, splintering worksheds, and reaking windows for miles around. The chlorate-buil gs were blown to atoms, with the peci ar exception of a chimney-stack, 80 t high, which was apparently unshak. Only five lives appear to have bee lost, and seventeen persons were inju d, but the damage to property is esti ted at 100,000*l*. The concussion cau t a rent in one of the two gasomet s at the town's gasworks. This hol contained 250 000 cubic feet of gas, which caught alight, and a vast she of flame shot up into the air to a hei of over 100 feet. Ten vitriol-cha ers (each containing about 100 ton in the Hardshaw Brook Chemical-wor adjoining (also the property of the Uni d Alkali Company) were completely des yed. These chambers are construed of lead, and are about 120 feet lon 20 feet broad, and 18 feet deep, and itriol ran out into the roads, down the rains, and into the brook near by. The damage done in the immediate neighbourhood of the explosion is enormo Thousands of houses and shops hav been partly wrecked, and some hou s have been rendered practically uni abitable, and in addition to the kill (a marvellously small number) and the eventeen injured, who have been rem ed to the hospital, about forty oth s were treated for cuts, burns, and bruises caused by gla and falling *débris*.

T inquest on the five men who were killed was opened on ay 15. Formal evidence of identification was given, and the Coroner and jury having visited the scene of the explosion, the inquest was adjourned until May 30.

A correspondent writes:—"Several of the chemists and druggists fared badly in the explosion by having windows blown out, or by damage to stock through breakage. In one short street there are two chemists: one had both plate-glass windows blown out, and the other escaped undamaged. The premises of the former pharmacist were not insured, while the latter had insured for years. A chemist recently bought up the stock belonging to the widow of a brother tradesman, and on the eventful morning was removing the stock in a furniture-van. The carters did not relish handling this stock, but they were carefully proceeding with the unloading when the awful crash came. Out of the van into the street jumped one of the carters, and rubbing himself exclaimed, 'I knew one of those d——d bottles would go off.' The quantity of chlorate of potash exploded was 160 tons. One great peculiarity of the explosion was the first thought of everyone attributing the cause to something close at hand. Beecham's pill-factory was not touched."

Such a catastrophe as this has rarely happened in this country, and it is difficult to realise without the pictures the extent of the damage which has been done. These engravings are reproduced from photographs which a courteous subscriber in St. Helens has sent to us. The photographs were taken by Messrs. Jordan & Metcalfe, 16 George Street, St. Helens, and as lasting impressions of one of the biggest chemical reactions which has taken place since the genesis of the elements they are worth getting.

One aspect of the accident should not be overlooked—viz., that the destruction of so much potassium chlorate may cause a temporary difficulty with immediate supplies, but up to the time of writing we hear of no increase in the price. This matter, however, will be dealt with, if necessary, in our Trade Report. The loss of sulphuric acid is also great, but is more easily overtaken, as there are more manufacturers of vitriol than of chlorate.



THE VITRIOL-CHAMBERS.

Photographic Notes.

By a Pharmaceutical Camerist.

Spectrum Safe Lights.

Cadett's spectrum plates had up till recently to be manipulated in perfect darkness on account of their extreme sensitiveness. This disadvantage has been overcome by the introduction of the "safe" light. It consists of three dyed glasses bound together, intended for placing in the ordinary dark-room lamp, the resulting light being of such a character that it is safe to use as an illuminant during the development of the spectrum plates. Of course it must be understood that there is no light absolutely safe with the plates in all conditions, but with reasonable care these lights are safe for all practical purposes.

Mr. Ethelbert Henry at a recent meeting gave me the following formula for producing

Warm Tones on Velox-paper,

which he said could be done with the greatest ease :—

A.

Hydroquinone	gr. c.
Sodium sulphite	℥j.
Citric acid	gr. xxv.
Potassium bromide	gr. xx.
Water to	℥xx.

B.

Sodium hydrate	ʒiss.
Water to	℥xx.

C.

Ammonium bromide	ʒij.
Ammonium carbonate	ʒij.
Water to	℥x.

For red tones expose to 8 inches of magnesium-ribbon at a distance of 4 inches, and develop with A, 1 oz.; B, 1 oz.; C, 6 dr. Develop deeply to allow for considerable reduction in fixing. For purple tones: Expose to 4 inches of ribbon at 4 inches, and develop with A, 1 oz.; B, 1 oz.; C, 120 minims. For brown tones: Expose to 3 inches of ribbon at 4 inches, and develop with A, 1 oz.; B, 1 oz.; C, 60 minims. The tone can be modified (if required) by after treatment in a gold and sulphocyanide bath.

An ingenious way of making

Collodion Colour-screens

is given in the February number of the *Bulletin* of the French Photographic Society. A metal ring, such as a curtain-ring, which fits the lens-mount is cleaned and floated on mercury. Collodion coloured to the required tint is then poured in the ring till it covers the surface of the mercury inside the ring, and allowed to dry. Care must to be taken, to exclude dust during the drying-process.

Photographic Chemistry.

A second edition of Townsend's "Chemistry for Photographers" has just been issued by Dawbarn & Ward (1*s*.). The book touches on the chemistry of the different operations of photography, and should be a useful one for those amateurs who require an elementary knowledge of the reactions involved in this very intricate subject.

Mr. T. R. Dallmeyer gives, in the *British Journal of Photography*, the following method of determining

The Focal Length of a Compound Lens.

He gives it as the simplest method he can think of from "the practical point of view of the working photographer":—

1. Reverse the lens in its flange on the camera, and focus accurately upon a distant object (condition for parallel rays). Measure the distance from some definite point in the mounting of the lens the hood, for instance, to the plane of the ground-glass. (This gives the distance between the hood and the front "focal plane" of the compound lens.) Say it is 9 inches.

2. Screw the lens in the flange in its ordinary position, and again focus accurately upon a distant object (parallel rays). Mark its position upon the baseboard of the camera. (The focussing-screen now lies in the plane of the back focal point.)

3. Now proceed to focus accurately upon a near object placed at a distance of three or four times the (roughly estimated focal length of the lens from the hood of the lens, say 59 inches. The focussing-screen will have to be racked out from its position for parallel rays (as in 2) a certain distance. Measure this; say it is 2 inches.

We know that the distance of the object is 59 inches, *less* 9 inches (as in 1), from the front focal plane of the compound lens, and that the image is 2 inches from the back focal plane.

$$\text{Hence } F^2 = 50 \times 2 = 100;$$
$$\text{or the focal length} = \sqrt{100}$$
$$= 10 \text{ inches.}$$

The knowledge of a lens's focal length in conjunction with the distance of the front focal point or plane from some definite part of the lens itself is useful for accurate proportions in reduction or enlargement. For example, a reduction of four times is required with the lens in question. It is only necessary to place the object four times the focal length of the lens away from the front focal point or plane of the lens, or $4 \times 10 + 9 = 49$ inches from the hood, when a *certain* reduction of four times is arrived at upon accurate focussing.

Flash-light Cartridges.

The convenient magnesium cartridges, which are so useful for photographing at night or in dark places, are composed of powdered magnesium with chlorate or permanganate of potash. They are somewhat liable to explosion and susceptible to moisture. To obviate these disadvantages it is proposed by Mr. Schwartz in a recent patent (27,115) to mix with 6 parts of finely-powdered magnesium 1 part of any of the following substances:—Boric acid, barium or strontium sulphate, kieselguhr, plaster of Paris, or kieserit. It is stated that more perfect combustion results on account probably of the separation of the magnesium particles. Another object of such mixtures is to lessen the production of smoke.

It has recently been proposed by Professor Lainer to add an equal part of ammonium nitrate to magnesium powder to yield a smokeless flash-light powder. The hygroscopic nature of ammonium nitrate seems to me, however, to be an insuperable obstacle to the use of such a mixture.

Tabloid Ammonium Persulphate.

When mentioning, a month ago, Messrs. Burroughs, Wellcome & Co.'s booklet for photographers, "Practical Points," I noticed the inclusion therein of ammonium persulphate tabloids. Since then I have received a sample of the tabloids, and from actual use find them most convenient. Each tabloid contains 11 gr. of the salt, that weight being simplest for making percentage solutions. One of these tabloids dissolved in 1 oz of water makes a $2\frac{1}{2}$-per-cent. solution, which is a usual strength to use. A convenient "stop"-bath can be made by dissolving ½-gr. sodium sulphite tabloid in 4 oz. of water.

Catalogues.

Messrs. Jas. Woolley, Sons & Co. (Limited), Manchester, have just issued their new photographic catalogue. It contains particulars of the "Victoria" camera-outfits, their speciality, as well as the cameras of other well-known makers A copy is forwarded free to all applicants.

Kodak (Limited), 43 Clerkenwell Road, E.C., send the new edition of their booklet on the "Kodak," which contains also their general price-list. It is a convenient guide to the goods sold by this firm, and is, as usual, a fine specimen of the typographer's art. It is illustrated by half-tone blocks.

Mr. H. F. Purser, 33 Hatton Garden, E.C., agent for the Rathenower Optische-Industrie Anstalt, has sent his supplementary list of lenses for 1899. The list relates to a new series of "W.A." asplanats and "Vade-mecum" sets, which as well as the "Rapid" asplanats, are now fitted with the standard thread-flanges of the Royal Photographic Society.

Messrs. Taylor, Taylor & Hobson, Leicester, have provided a readable catalogue of their lenses. The prices are interspersed with notes on the uses and testing of lenses and the catalogue is capitally illustrated.

Dark-room.

Birmingham.—F. Smith, 221 Soho Road, Handsworth

Recent Patents.

eless Gunpowder.—F. A. Halsey claims for a ss powder, comparatively safe, and one which, while high explosive-power on ignition, will not dete- by exposure to weather. The composition is as —

Picrate of ammonia...	47 per cent.
Bichromate of potassium	23
Nitrate of barium	30

(26,52 1898.)

rising Calcium Carbide.—J. Bilbie, Queen Victoria C.C., and H. Drivet, Euston Square, N.W., "acety- claim for a method of deodorising, perfuming, and non-deliquescent calcium carbide. They sprinkle om 2 to 5 per cent. of citronella, mirbane, eucalyp- r other essential oil, then with 2 to 5 per cent. of n, previously purified with quicklime, and then a uantity of 2 per cent. of one of the essential oils bove. (19,786, 1898.)

ess Quinine.—E. W. Grove, St. Louis, U.S.A., tasteless quinine, quinidia, cinchonidia, cinchonia, of the alkaloids of cinchona or any of their salts, llowing method, for which he claims protection :— quinine in a suitable solvent, and add to it a of paraffin-wax and evaporate until a dry and eous mass remains, which is then powdered. 17,64 1898.)

ng Hides and Skins.—J. K. Tullis, Glasgow, e use of acetic aldehyde (C_2H_4O), in the form of as an aqueous solution, for use in the tanyard and ethod of using it. He uses it in the proportion of er mille to 5 per cent., according to the hide. 27,40 1898.)

ng-composition.—P. Emanuel, H. Wächter, and Hamburg, claim for a boot and shoe dressing made s :—

Glue	350 grammes

Dissolve in—

Water	4 litres

nd add—

Iceland moss	50 grammes
Olive oil	30 grammes
Castor oil	15 grammes
Train oil	15 grammes
Borax	60 grammes
Nigrosin, or other colour	30 grammes

oil down to half its bulk.

22,891 898.)

r-dressing.—A. O. Evenbye, Avendal, Norway, r an improved composition for dressing leather thus :—

Tallow	125 grammes
Beeswax	32 grammes
Bone-black	15 grammes

ix wit " suitable quantity " of light-brown fish-oil and heat ll the x is melted, and add—

Indiarubber	25 grammes

Dissolved in—

Turpentine	155 grammes
Carbolineum	10 grammes
Cherry-resin	20 grammes

nd stir till cold.

22,995 898.)

r-dressing.—F. A. Cliff, Birmingham, claims for ing "composition for dressing leather whereby the e and finish are much improved by filling up the

Liquid Chicago glucose	3 cwt.
French chalk	50 lbs.
Irish moss	20 lbs.
Newfoundland cod oil	½ gal.
Water	18 gals.

24,344 898.)

Fireproofing-composition.—G. X. Dime, hotel manager, New York, claims protection for a process of rendering wood, fabrics, laces, and other similar articles fireproof by impregnating them with a solution of chloride of ammonia (15) and microcosmic salt (1). In some cases 1 part of borate of soda or borate of potassium may be added with advantage. (17,497, 1898.)

Fireproofing Cotton and Light Fabrics.—Messrs. Howarth & Grant, Longsight, Manchester, claim for a mixture of sal ammoniac and borax, or sal ammoniac and stannate of soda, in about equal proportions, either in solution or in powder, for the purpose of rendering cotton and other light fabrics non-inflammable. (26,957, 1898.)

Waterproofing Fibres and Fabrics.—C. O. Weber, chemist, Crumpsall, and T. Taylor, Manchester, have invented a method of waterproofing fibres and fabrics by means of aluminium tannate, and claim protection for it. The preparation is made by mixing a solution of 3·6 lbs. of aluminium sulphate in 2·5 gals. of water with a solution of 6·15 lbs. of lead acetate in 2·5 gals. of water, and filtering. To this is added a solution of ·14 lb. of tannic acid in 5 gals. of water. In place of the lead acetate, 2·85 lbs. of calcium acetate may be used. (21,020, 1898.)

Sterilising Water.—S. Pitt, Sutton, claims for a process of sterilising water by mere chemical means with the following, in the form of compressed tablets, "properly dosed":—

Peroxide of sodium	12 c.g.
Bisulphate of soda	75 c.g.
Permanganate of potash	35 c.g.
Hyposulphite of soda	12 c.g.
Bicarbonate of soda...	3 c.g.

These quantities are for 1,000 c.c. of water. The proportions are calculated so that the water may be saturated with ozonised-oxygen gas. (21,769, 1898.)

Product for Sterilising.—The Société Française de Désinfection, Paris, claim for an invention for sterilising germs and micro-organisms with a solution containing 25 per cent. of trioxymethylene and 75 per cent. of glycerin in a litre, and adding 2·50 grammes of the tincture of Dutch mustard-seed (*tincture de sénevé de Holland*) dissolved in 3 grammes of 95-per-cent. alcohol. (22,268, 1898.)

Preserving Milk.—N. S. W. K. Buchtrup, Bjrnhedegaard, Denmark, claims protection for his method of heating milk or cream to from 60° to 90° C., and adding, with stirring, from 5 to 20 grammes of sugar and from 3 to 16 grammes of boric acid to each kilogramme. The milk is then hermetically closed in tanks, and will keep for long periods. (20,992, 1898.)

Cleansing-composition.—H. L. Haas, New York, claims for a composition for toilet and laundry purposes. The proportions of the ingredients which have been "found advantageous in practice" are :—

Paste Form.

Adamantine	10 lbs.
Margarine	10 lbs.
Ammonia, 20° B.	11 gals.

Liquid Form.

Adamantine	4 lbs.
(or equal parts of adamantine and margarine)	
Ammonia, 20° B.	7½ gals.

By "adamantine" is here meant the hard substance remaining after two or three pressings of tallow. (17,510, 1898.)

Liquid Detergent or Scouring-water.—J. Nayer, Ingelheim, and L. Korn, Cologne, claim for a liquid for removing spots and stains of all kinds from textile materials, prepared as follows :—

Water	500 grammes
Sulphuric ether	10 grammes
Essence of soap (*spiritus saponatus*)	10 grammes
Alcohol	15 grammes
French spirit of turpentine ...	30 grammes
Ammonia	10 grammes

(23,246, 1898.)

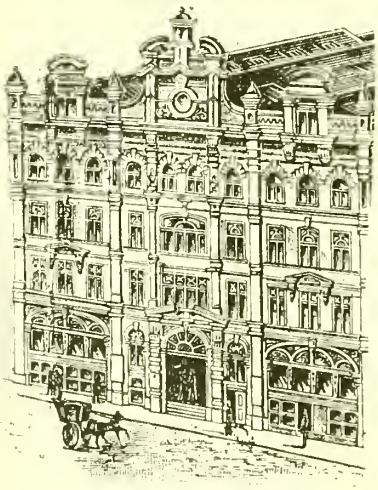
Messrs. Ayrton & Saunders's New Warehouse.

THERE is no better evidence of the prosperity of the drug-trade, taken as a whole, than is afforded by the large and growing wholesale businesses connected with it which are to be found in all the principal provincial cities of the

Mr. W. H. Saunders.

Mr. H. G. Saunders.

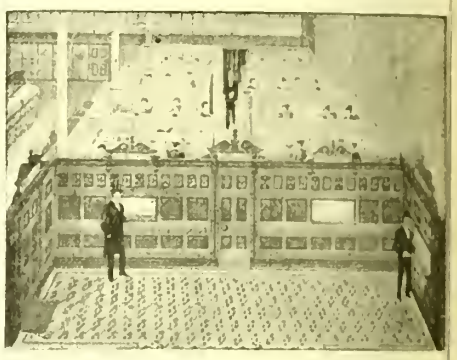
United Kingdom. Among these a notable instance of development is the druggists' sundries house of Messrs. Ayrton & Saunders, of Liverpool. Established some forty years ago, it is only quite recently that they have moved into the new premises built and specially arranged for their business at 34 Hanover Street. A *C. & D.* representative had an opportunity lately of looking through



The Front in Hanover Street.

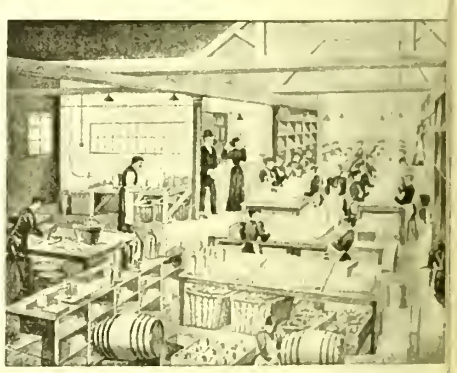
this establishment, and though at the time of our visit the fittings were incomplete, there was even then no lack of working order and methodical arrangement in all the departments. The front elevation of the building is architecturally handsome, and at present stands out from its rather dingy neighbours conspicuously bright and clean. The large office on the ground-floor into which the visitor enters from the street is divided and subdivided by mahogany partitions, with the apparent intention of producing a mystic maze. There are separate rooms for cashiers, correspondents, bookkeepers, order-clerks, typewriters, and principals. We are not sure that the separate-cell system is so good as the large open office which is the more generally adopted arrangement in large businesses in London, but no doubt there is an air of comfort about the former which should be conducive to good work.

Riding with Mr. Saunders to the top of the building the lift, we landed on the perfumery-floor. This is a depar ent to which the firm have devoted considerable attention. ey manufacture here all their own perfumes from the pomm les, they compound them, bottle them, and box them in ay



Offices and Vestibule.

elegant and often original styles, and for quality, attra ve-ness, and novelty they are bidding fair to take a pron ent position in the trade. Among the novelties which the ere getting ready at the time of our visit were boxes in v ous



Perfumery and Packed Goods.

grades of costliness, carrying on their lids photog hic views of some of the pleasant spots in this country. ese are especially adapted for sale by chemists whose busi ses are situated in the neighbourhood of the scenery hus

Gold-writing on Glass.

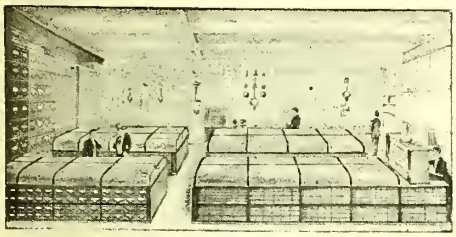
depicted. The boxes, of course, contain perfume nd toilet luxuries. Most of the work on this floor was the hands of girls, and in a room at the back some very ng maidens—half-timers, we presume—were busy boxing et-powder and fullers' earth. Sachets with chemists' es

on em, for free distribution or sale at Christmas or the Ne Year, is also a leading line with Messrs. Ayrton & Sa lers. Glancing through a pile of samples we found that the find their way to the colonies in as large a proportion as chemists at home.

I sing on the open question whether the love of perfume ind ates the advance of refinement or a tendency to

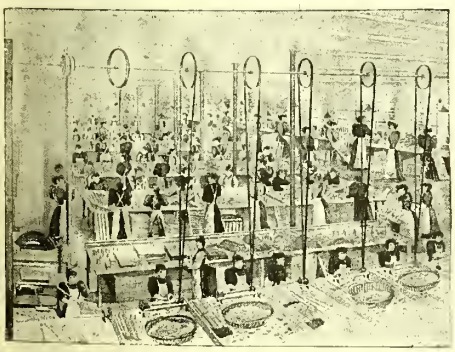
SEWING-ROOM FOR BANDAGES, BELTS, &C.

dec lence, we descended to the floor below and came across a m of artists writing gold letters on glass labels for bot s and drawers. Near these was a room of girls fitting up bothers and feeding-bottles, and next to them were oth girls putting the packing round the pistons of syringes,



INSTRUMENT-ROOM.

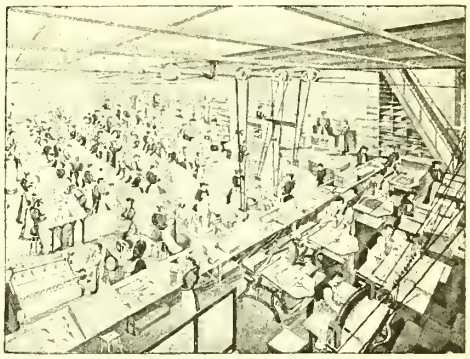
wh were actually being blown by skilled hands close by. Th lowers were, at the time, being worked by hand, but ste was soon to be introduced. On the floor below was a roo where about twenty girls were occupied in making che protectors, surgical belts, respirators, suspenders, and



ROUND-BOX ROOM.

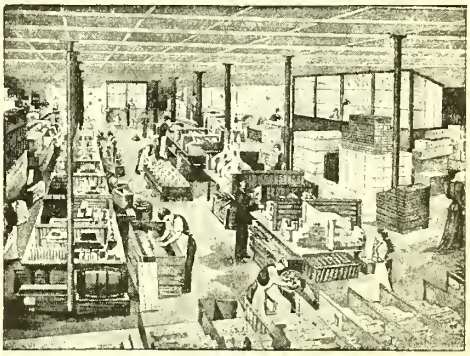
si lar articles. Half-a-dozen sewing-machines were at w here, but much of this class of work has to be done by ha l.

will be seen from these notes how large a proportion of th goods sold by this firm are actually manufactured in the house. But the manufacturing departments already alluded to are insignificant in extent compared with the ones we shall mention presently. Meanwhile, as we made our way downwards, we passed the great stock-departments where sponges, glassware, patents ("No profit on these," remarks Mr.



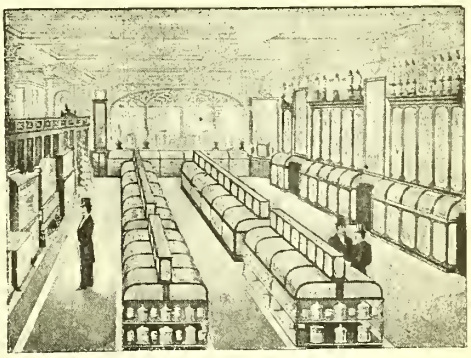
SQUARE-BOX ROOM.

Saunders), labels ("Between 2,000*l.* and 3,000*l.* worth of labels are stocked in this little room"), brushes, and bottles, were kept in order. The bottles are stored in the basement, where "There are two thousand bins there for



PACKING AND EXPORT DEPARTMENT.

various kinds of bottles." We passed through the surgical instrument department. "There are about four thousand trusses stowed away in those boxes," Mr. Saunders stated. As we passed the glass cases he observed, "We have some



SHOW AND SAMPLE ROOM.

hundred and thirty patterns of forceps." What a vista of torture these suggest! Among subsidiary departments we noticed as we passed confectionery in one place and literature in another. The stock of books, it was pleasant to

observe, was largely recruited by the *C. & D.* publications, which Messrs. Ayrton & Saunders have sold rather abundantly.

This part of the journey accomplished, we visited the domain of Mr. H. G. Saunders, who superintends the box-manufacturing section of the business. This is a special feature of the business. It occupies the back part of the building, with a floor-space at least as large as the sundries-warehouse. It is an interesting manufacture, and deserves an article to itself, which we shall be glad to give on a future occasion if Messrs. Ayrton & Saunders will give us the opportunity. It must suffice for the present to state that on the four floors of this factory all kinds of druggists' boxes are made through all their stages. The production of willow boxes can be traced from the log. Pink and purple pill-boxes, shouldered and otherwise, parcel-post boxes, metal-edged leather-bound boxes, turned-wood boxes, menthol-cone cases, and particularly the light seamless boxes which are the speciality of Messrs. Ayrton & Saunders, are among the products of this factory. The last-named are very useful, and are popular with a great many chemists. They are made in various sizes and labelled for such drugs as liquorice-powder, infants' food, linseed meal, horse-powders, &c., with chemist's own name and address.

In the course of conversation we learned that about 400 persons were employed in this warehouse and factory. The Messrs. Saunders supervise everything personally, and they are by no means afraid of new ideas. They employ nine travellers, and amoug these is a lady collector for Liverpool. In many of their departments they state that they have orders in hand sufficient to keep tnem going for two or three months. Certainly, we can testify that they have made provision for a large business, and for doing it well.

Wills of Deceased Chemists.

BARRON.—The will of Mr. R. B Barron, who died at Brighton on February 28, has been proved in London by Mrs. Barron, the widow, and Mr. Charles B. Barron and Mr. Richard B. Barron, the sons, of the testator, whose estate is sworn at 17,449*l.* 16*s.* 7*d.*, of which 16 173*l.* 4*s.* 5*d.* is net personalty. The testator bequeaths the silver-gilt salver presented to his grandfather, Mr. Richard Hotham Pigeon, by the governors of Christ's Hospital, to his son Charles; 100*l.* each to his sons, Charles and Richard; 300*l*, his household furniture and domestic effects, and live and dead stock to his wife; and 100*l.* upon trust for his granddaughter, Constance Ottoline Ellicombe His residuary estate is to be held upon trust for his wife for life, and then equally divided between his children.

CORDWIN —Letters of administration to the estate of Mr. William Cordwin, chemist and druggist, Cinderford, Gloucestershire, who died on January 5, 1899, intestate, have been granted to his widow, by whom the gross value thereof is sworn at 3,226*l* 3*s.* 6*d.*

CORNER —Letters of administration to the estate of the late Mr. Thos. Brodrick Corner, chemist and druggist, Whitley, who died intestate on November 3 last, have been granted to Miss Mary Corner, daughter and one of the next-of-kin of the deceased, whose estate was sworn at 977*l.* 12*s.* 11*d.*

HARMER.—The will of Mr. A. D. Harmer, chemist and druggist, South Street, Eastbourne, who died on January 22, is proved by his son, Mr. J. D. Harmer, chemist and druggist; the testator's estate is sworn at 135*l.* 6*s.* 6*d.*

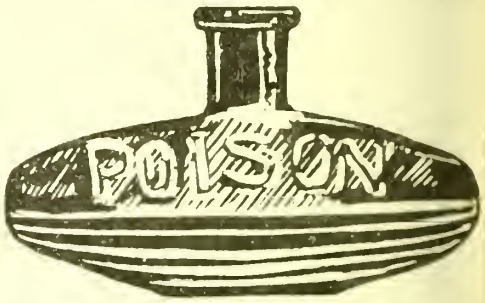
HOLLAND.—The will of Mr. William Holland, chemist and druggist, Market Deeping, who died on January 9, has been proved in London by Mr. D. J. Evans, Stamford, and Mr. Frederick Swift, Market Deeping. The testator's estate was sworn at 34,199*l.* 16*s.* 1*d*, of which 1,159*l.* 4*s.* 3*d.* is net personalty.

MABBETT.—The will of Mr. Geo. D. Mabbett, chemist and druggist, Park Street, Slough, who died on July 11, 1898, has been proved in London by his widow, Mrs. M. E. Mabbett. The testator's estate is sworn at 117*l.* 10*s.*

Novelties.

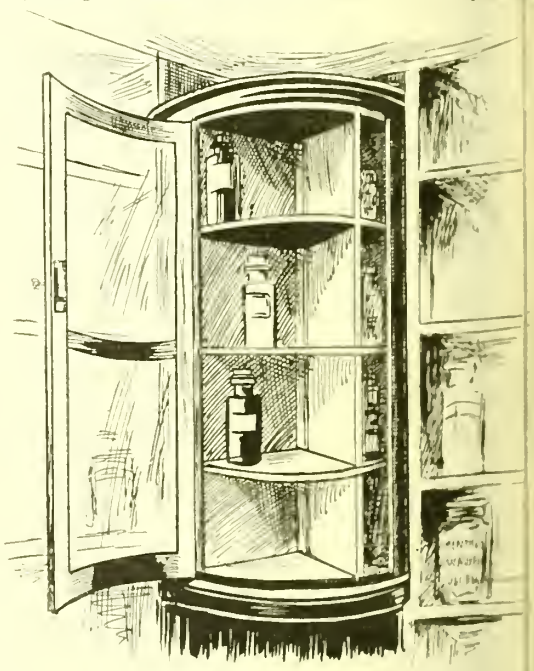
FOR THE POISONS REGULATIONS.

DR. ELIAS FRASER, of Sandown Lodge, 299 Brixton R S.W., has designed and registered a poison-bottle w patients are not at all likely to mistake for anything



unless, perhaps, an ink-bottle. The figure shows the si of the new bottle, which is made in cobalt-blue glass. word "poison" occurs on both sides of the bottle, but label-space is required it would be better to leave one plain.

From Mr. W. Reid, chemist, Aberdeen, we have rece photographs of a poison-cupboard, and the accompany engraving is sketched from these. The cupboar



cylindrical, and the shelves within it revolve. It is m as part of the shop-fixtures, and can conveniently be pla in a corner as shown. The shelves are divided into triang divisions, each of which exactly corresponds in size to lockfast glazed door, so that it is possible to have only division filled with shop-rounds, and the rest with bottles and other containers which one will naturally k out of sight. We have drawn the revolving portion so to show how the shelving is divided. The case is effective bit of shop-decoration, and serves its purp admirably. We understand that Messrs. Evans, Sons & Liverpool, make such cases to match the design of anyon shop-fittings.

UROSIN TABLETS.

WE eferred a few weeks ago to the introduction of quinic acid s a remedy for uric-acid diathesis. This was suggested by J. Weiss, of Bale, who pointed out that quinic acid con erably decreases the formation of uric acid in the orga sm. The acid is so bitter that it is an advantage to com ne it with a base, preferably lithia, and Messrs. Zimmer & C of Frankfurt, manufacture this compound, and are putt g it on the market as tablets, each containing 7½ gr., also s a granular effervescing preparation. Samples of eith of these may be obtained from the agents, Messrs. Wid mann, Broicher & Co., 33 Lime Street, E.C.

"ERASMO."

THI is the name of a new hair-restorer manufactured by the asmo Toilet Company, 155 Praed Street, W. "Erasmo" is a elicately-perfumed lotion, of brown colour, and put up i 1s. and 2s. 6d. bottles. From our examination of it we d that it has points of novelty which will commend it to he public. It appears to be a true stimulant to the hair ands, and has the property of clearing off the seba ous secretion, so that it is specially advantageous to thos who are losing their hair through dandruff. The lotio is put up in 6 oz. bottles to retail at 2s. 6d., and the samp bottles retail at 1s. The bottles have sprinkler-stop s, and are neatly and effectively put up. We understan that "Erasmo" has been advertised very freely in the sh papers, as well as in the several popular ladies' journ s. The advertising is to be considerably extended, so that emists should be prepared to supply the demand which will se.

A REGULATING FEEDER.

MR. OWARD WOOLF, druggists' sundriesman, 6 St. George's Cres t, Birmingham, is introducing to the trade Hancock's feeding-bottle, with an arrangement for regulating the flow of the milk. The regulator is a little screw which fits into the ebony stopper of the bottle, and by the fraction of a revolution the screw adjusts the flow of the milk to any extent desired. We have not seen a simpler method regulation than this, and as far as we can judge from careful examination of the arrangement we should think it wouldbe successful, and that the regulator will not e mothers the slightest trouble. The article does not add the retail price of the bottle, as a white glass lie-dow r stand-up bottle, with superior black fittings and two brus s, in box, is priced to retail at 1s.

CU OMER: "I want something that will kill the smell of on us on the breath." Chemist: "Give me your name and dress, please." Customer: "What for?" Chemist: "We ever sell poison without first obtaining that informati ."

MI LITTLEREST: "Doctor, what did you tell me was your speci treatment for sleeplessness?" Medico: "We strike at the c se, or the origin of the trouble." Mr. Littlerest: "You don't ay so. Well, you'll find the baby in the other room, only n't spank him too hard."

LU .—"After all, it's an ill wind that blows nobody good "What's happened now?" "The druggist had such a co when I went in to get some grip-medicine this morn g that he couldn't talk; so I escaped a long argument abou omething he had put up himself that was better than the s ff I wanted."—*Chicago News*

New "C. & D." Books.

"Pharmaceutical Formulas." Price, 7s. 6d., by post, 8s.

"Pharmaceutical Formulas" is a collection of formulas for the use of druggists and pharmacists. As far as can be judged by mere inspection, without actual use, the formulas have been carefully and intelligently selected by the author, whose comments on formulas and introductory notes to the various chapters constitute not the least valuable part of the book. It may be said briefly that in the preparation of this work the influence seems distinctly to be felt—namely, that in order to be of real service such a collection of formulas must be made intelligently by someone practically conversant with the subject and the needs of the class to be reached, instead of being a mere effort of bringing together between the covers of a book the largest possible collection of "omnium gatherum," and which afterward is of no earthly use to anybody.—*Western Druggist.*

The book, we can well imagine, will be indispensable to the retail chemist and druggist. It furnishes him with formulas for almost every conceivable preparation for which he might be asked. Our advice to every medical practitioner is to send to the office of THE CHEMIST AND DRUGGIST for a copy of the work. He will pick up many useful hints from it, and he will gain a knowledge of the composition of many preparations largely used by the public, and in the use of which they require direction from their medical advisers. The work has been carefully edited by Mr. Peter MacEwan, F.C.S., and the pharmaceutical annotations are always practical and to the point.—*The Practitioner.*

"Diseases and Remedies." Price, 2s. 6d., by post, 2s. 9d.

The treatment of the subjects is synoptical both as to the description of diseases and the mode of treatment, being suggestive rather than detailed, and this, indeed, is the very form in which a pharmacist does want to know therapeutics—general principles—and then he will be able to judge whether in any given case he be justified in dispensing some comparatively harmless preparation or whether to refer the patient to the physician. An appendix contains useful chapters on the treatment of poisonings, dentistry, and optics for pharmacists, surgical hints, and surgical and medical appliances. The therapeutic part, it may be said, was compiled by a physician of high standing.—*Western Druggist.*

The sight of a volume entitled "Diseases and Remedies," described as "a concise survey of the most modern methods of medicine, written expressly for the drug-trade," naturally inspires one with some diffidence. The fact, too, that it is published at he offices of THE CHEMIST AND DRUGGIST confirms the suspicion that it is intended to pander to the requirements of the prescribing chemist, an enterprising and tolerably unscrupulous being with whom we repudiate any sympathy or liking. In the preface it is premised that "it is of the utmost importance that chemists and druggists should be acquainted with diseases as well as with remedies," an utterly fallacious and even mischievous assumption. Nor can we accept the suggestion that this knowledge is indispensable to the proper fulfilment of their duty to the public and to the profession; indeed, we hold that such knowledge is far more likely to lead chemists and druggists astray, to the detriment of a confiding public. Moreover, if this knowledge were really indispensable it would be idle for them to seek to obtain it from the volume before us, for it can, at most, give that little knowledge which is a dangerous thing. It is true that the preface divides counter-prescribing into legitimate and illegitimate, but as no attempt is made to distinguish one from the other, the observation savours of mere affectation. What is the utility, for example, of mentioning ergot, savin, and pennyroyal as remedies for amenorrhœa if the chemist is not at liberty to employ them—and even the complacent editor of THE CHEMIST AND DRUGGIST would hesitate to suggest that this would be legitimate counter-prescribing. The value of the indicatious may be gauged from the statement that aphonia is generally one of the symptoms of a common cold, hysteria not being even mentioned, though—in females, at any rate—it is more often the veritable cause. There are a number of serviceable prescriptions disseminated through the book, which concludes with a few pages on dentistry—just enough to make one wish for more—and some observations on vision-testing. It is, of course, useful for a chemist to know that "dilation" of the pupil is involuntary—that is, except when it is produced voluntarily by drugs; but it is to be hoped that he will not seek to add tooth and eye work to his more legitimate dispensing-functions on the strength of the indications here contained.—*Medical Press.*

Pharmacopœial Inconsistencies.

By Edwin Dowzard, F.C.S.

ANYONE who has carefully examined the 1898 B.P. will be struck by the difference in the complicacy of the tests which are applied to different articles. Some are treated exhaustively, while others of equal importance are passed over with a few inadequate tests; for instance, compare balsam of Peru with olive oil. The former has tests given for the detection of copaiba and resins, castor oil and other fats, ethylic alcohol, gurjun balsam, and the presence of a sufficient proportion of cinnamein is provided for; while olive oil has only the silver-nitrate test for cottonseed oil. Again, under lactic acid tests are given for ash, lead, copper, arsenic, iron, aluminium, chlorides, citrates, oxalates, phosphates, sulphates, tartrates, sarco-lactic acid, grape, cane, and milk sugars, glycerin, fatty acids, organic impurities, gum, sugar, mannite, calcium phosphate, malic and sulphuric acids; while otto of rose, which is far more open to sophistication than lactic acid, has fine lines devoted to its characters and tests. Although the tests given for many of the medicinal chemicals are so stringent that it is almost impossible to obtain articles which will conform with them, yet the official tests for some natural products are so lax that inferior articles will pass them. The following are a few specimens of this laxity:—

Oil of Anise.—After congealing the oil should not, according to the B.P., again become liquid below 15° C. This is very low. Oils of fair quality do not melt below 17 5° C., while oils of first-class quality melt at 19° C. to 21 5° C.

Eucalyptus Oil.—The phosphoric-acid test will admit an oil containing about 20 per cent. of eucalyptol; while oils containing 50 to 60 per cent. are easily obtainable the test should be made quantitative.

Oil of Rose.—The sp. gr. limit is too high; 0 850 to 0 858 would be better. The optical rotation should also be included, −2° to −3° (20° C.) per 100 mm. The estimation of the esters would also be of value.

Oil of Rosemary.—The addition of French oil of turpentine does not cause an increase in rotation, but a decrease. A better method than the B.P. one for detecting this turpentine would be to proceed on the lines laid down for lemon oil. The first fraction of 10 per cent. obtained by distillation should be dextrogyrate.

Croton Oil.—"Entirely soluble in absolute alcohol." The freshly pressed oil is never soluble in absolute alcohol; it is only old oxidised oil that is soluble.

Linseed Oil.—"It is soluble in 10 parts of alcohol (90-per-cent.)." I have never yet seen a sample which answered this test; the solubility is about 1 in 40 of absolute alcohol.

Olive Oil.—The best test for this oil is undoubtedly the iodine-absorption; and if Baudouin's test for sesame oil had been included the monograph on olive oil would have been of some value.

Castor Oil.—The sulphuric-acid test is of no value, and might well have been omitted. The saponification-test is very useful, and should have made official.

Trade-Marks Applied for.

Anyone who objects to the registration of a trade-mark must address the Comptroller-General, Patent Office, Chancery Lane, W.C., within a month of the date of publication.

When "no claim" is mentioned in the subjoined abstracts, this implies "no claim for the exclusive use of the word" in inverted commas.

(*From the "Trade Marks Journal," May* 10, 1899.)

Picture of a kingfisher; for acids, alkalies, &c., in class 1. J. G. Fisher, Leeds. 219,803.

"Albenite" (no claim for "Albene"); for an anti-incrustator. Powell & Scholefield, Liverpool. 221,236.

"Sulphosite" (no claim for "Sulpho"); for a chemical. H. E. Scholefield, Liverpool. 221,238.

"Canicura" and "Cutoxine"; for disinfectant washes. F. L. Walpole, Highgate Hill, N. 216,348 and 220,777.

"Vitogen"; for a chemical preparation. G. F. Harvey, Saratoga Springs, U.S.A. 218,270.

Picture of hand holding a paint-brush; for a chemical prep[illegible] O. R. Nicolai, Leipsic-Rendnitz. 219,686.

Picture of lightning and clouds; for chemicals, medicated [illegible] E. Cook & Co. (Limited), Mark Lane, E.C. 220,654 [illegible] 220,655.

Picture of barque in full sail; for dog and cattle soap. P[illegible] (Limited), Threadneedle Street, E.C. 221,013.

"Enfle"; for veterinary suppositories. Burroughs, Well[illegible] & Co., Snow Hill Buildings, E.C. 221,973.

"Davosin" (no claim for "Davos"); for chemical subst[illegible] T. Hefti, Basel. 215,860.

"Hetokresol" and "Hetol"; for medicinal compo[illegible] Kalle & Co., Biebrich-on-Rhine. 216,164 and 216,177.

"Laxol"; for medicinal preparations. A. J. White (Lim[illegible]), Farringdon Road, E.C. 218,008.

Written signature (the essential particular); for an ointment [illegible] Burke, Greenwich, S.E. 218,279.

Combination of devices (the essential particular) on four labels [illegible] Vichy lozenges and salts. La Compagnie Vichy, Par[illegible] Vichy. 219,693.

Device (the essential particular) of a hanging sign; for panc[illegible] emulsions. The Standard Emulsion Company, New [illegible] City, U.S.A. 219,749.

"Carramon" (the essential particular) and other wording; [illegible] cough-mixture. J. D. Greenhill, Dundee. 220,297.

"Pinelyptus" (no claim for "Pine"); for chemicals. W. Proctor, Newcastle-on-Tyne. 221,431.

"Kamrex"; for photographic apparatus J. Lancaster & [illegible], Birmingham. 221,881.

"Gnom"; for milk-sterilisers. L. Lumley & Co., America Sq[illegible], E.C. 221,077.

"Ferru"; for cocoa. Ferru-Cocoa Manufacturing Comp[illegible] (Limited), Goswell Road, E.C. 217,418.

"Soloid"; for food substances. Burroughs, Wellcome & [illegible], Snow Hill Buildings, E.C. 219,717.

"Mietose"; for an albuminous substance. Erweiss- u. Fle[illegible] Extract Cie., Altona. 220,057.

Device (the essential particular) of a Viking bearing a chil[illegible] shield; for infants' food. Viking Food and Essence Co[illegible]pany, St. Pancras, N.W. 220,762.

"Oringa"; for essences, &c., and for mineral and aërated wa[illegible]. The London Essence Company, Camberwell Green, [illegible]. 217,735, 217,736.

"Cajeputine" (no claim to "Cajeput"); for toilet-preparat[illegible] Smith & Sons, Norwich. 208,350.

"Pedol"; for an application for the feet. E. G. Loch[illegible], Leipsic-Gohlis. 217,269.

"Perlifex" (no claim for "Pearl"); for a tooth-powder. [illegible] Corder, Newcastle-on-Tyne. 217,611.

"Koh-i-Noor"; for perfumery. J. T. Dale, Stirling. 221,2[illegible]

New Books.

Any book named in this list can be supplied post-free to [illegible] part of the world on receipt of the published price by the Publisher of The Chemist and Druggist, *42 Ca[illegible] Street, London, E.C.*

Birch, De B. *Class-book of Elem. Practical Physiology.* $7\frac{3}{8} \times 4\frac{7}{8}$. Pp. 286. 6*s.* 6*d.* (Churchill.)

Clowes, F. *Treatise on Practical Chemistry and Qualita[illegible] Analysis.* 7th ed. $7\frac{3}{4} \times 4\frac{3}{4}$. Pp. 538. 8*s.* 6*d.* (Churchill.)

Fernie, W. T. *Animal Simples approved for Modern U[illegible] Cure.* $7\frac{3}{8} \times 4\frac{7}{8}$. Pp. 565. 6*s.* (Wright.)

Pringle, A. *Optical Lantern for Instruction and A[illegible]ment.* 3rd ed. 8vo. $8\frac{1}{2} \times 5\frac{1}{2}$. Pp. 150. 2*s.* 6*d.* (Hampton.)

Richter, V. von. *Organic Chemistry; or, Chemistry of Ca[illegible] Compounds.* Ed. by R. Anschütz. Auth. trans. by Edga[illegible] Smith. Vol. 1: Chemistry of Aliphatic Series. $8\frac{3}{8} \times 5\frac{3}{4}$. Pp. [illegible] 15*s.* (Paul.)

Thomson, S., Steele, J. C. *Dictionary of Domestic Medi[illegible] and Household Surgery.* 34th ed. $9\frac{1}{8} \times 6\frac{1}{8}$. Pp. 770. 10*s.* [illegible] (Griffin.)

Saffron.

ccurrence of Excessive Amounts of Mineral Matter in Commercial Samples.

By W. NEWTON BRAZIER.

E following results of the analyses of eleven samples of saffron are interesting, as showing how the commercial art e complies with the requirements of the new British Ph macopœia. The samples were obtained from various so es, Nos. 1 to 5 coming from London houses of repute, an Nos. 6 to 11 direct from French growers. The analytical me ods adopted were those of the B.P., and the figures re sent percentages:—

N	Moisture	Ash	Ash on Dried Sample
	16·84	16·8	20·2 [Potassium chloride]
	13 04	3 88	4·3
	15·24	4·18	4·8
	14·36	10·04	11·7 [Potassium chloride and nitrate]
	15·24	18·28	21·5 [Potassium sulphate]
	13·44	3·76	4 3
	13·12	3·92	4·5
	13·04	3·20	3·6
	12·48	3·62	4·0
	12·56	3·64	4·1
	13·92	3·16	3·6

I will be noticed, with regard to moisture, that No. 9 was the olitary sample out of eleven which fell below the B.P. lin of 12·5 per cent. This is exceptional, because previous an ses has shown that many commercial saffrons do co ly with the B.P. in this respect.

e percentages of ash show some points of interest. It ll be seen that three of the samples stand out con-spi ously as containing an abnormal amount of mineral ma er, whilst all the others are well within the B.P. limit of per cent. In each of these cases the ash was fused by the eat of the muffle, forming a mass in the bottom of the ca le, whilst in no other case was there any sign of fu n, although all were ignited under the same conditions. Th e three ashes were examined qualitatively, with the res s that—

. 1 was found to consist largely of potassium chloride, No of a mixture of potassium chloride and potassium nit te, and No. 5 of potassium sulphate.

great was the amount of added mineral matter in No 1 and 5 that abundant precipitates were obtained upon the addition of a solution of silver nitrate and barium nit te respectively to an aqueous infusion of the sample aci lated with nitric acid, whereas the pure samples yie ed no trace of precipitate when tested in the same way. It y also be interesting to note that all the samples contai g excess of mineral matter were procured from English wh sale houses, and also that these samples contained the lar st proportion of moisture.

ese results seem to point out that many good samples of co ercial saffron exceed the B.P. limit for moisture, and tha t might be advantageous to adopt the U.S.P. standard of per cent. loss when dried at 100° C. On the other ha , it is evident that a good sample of saffron should yie very much less than the B.P. maximum of 7 per cent. of h calculated on the dried article, and, therefore, the sta ard might conveniently be made more stringent—say, "I ed saffron generally yields between 3 and 5 per cent. of ash and should not yield more than 7 per cent." In view also of the nature of the excessive mineral matter, the B.P. test might be extended somewhat to the following effect:—

When a small portion is placed in a glass of warm water it colours the liquid orange-yellow, becomes itself paler in colour, and does not deposit any white or coloured powder, *nor does this infusion acidulated with nitric acid yield any precipitate with solution of barium nitrate or silver nitrate.*

The words in italics are the addition which should be made.

My thanks are due to Messrs. P. Harris & Co. (Limited), in whose laboratories the above results were obtained.

Note on an Old Sample of Jalap.

By C. EDWARD SAGE, F.C.S., Pharmaceutical Chemist.

I HAVE had an opportunity, through the kindness of the editor of THE CHEMIST AND DRUGGIST, of examining a sample of jalap taken from a lot which had been lying in the Crutched Friars warehouse for the last twenty-eight years, and which was sold only last month.

Great interest attaches to the quality of the present supplies of jalap, for during the past twenty years the drug has been found to yield a much smaller proportion of resin than formerly, and although it has been shown by Hooper that this deficiency can be remedied by treating the soil with a phosphatic manure, yet we are dependent upon supplies which are grown or gathered by people who do not appreciate scientific agriculture and its possibilities.

The sample above referred to consisted of slices of the tuber; all the pieces were hard, dry, and brittle, one piece only being a little worm-eaten. This fact is worth noticing, because it has been stated that old jalap is richer in resin than the newer drug, because it is worm-eaten, and the insects only destroy the fibrous and woody portion of the drug.

My determinations of the proportion of resin and ether-soluble resin resulted as follows:—

	Per cent.
Insoluble in ether	10·49
Soluble in ether	·85
Total resin	11·34

showing that of the total resin only 7·5 per cent. was soluble in ether. From these figures it will be seen that jalap of twenty-eight years ago was not invariably much richer than at present, and it will serve to emphasise the fact that the active ingredient of the drug was liable to variation in those days, as at present. Only a few manufacturers seem to appreciate the fact that jalap, scammony, and podophyllum do not always contain an unvariable amount of their respective resins.

While writing on this subject, may I ask whether the time has not arrived when we should have some authoritative definition of what jalapin is? All manufacturers do not agree whether the ether-soluble or ether-insoluble product is jalapin, and although the bulk of what is met with now is soluble in ether, just as it was in 1871, when Daniel Hanbury noted the same point, it does seem anomalous that the name should be given to the least important constituent of jalap, and possibly to a product which is not derived from jalap at all.

8 Fisher Street, W.C., May 8.

OPIUM to the value of 401,743*l.* (673,784 lbs.) was imported into Swatow, China, in 1898, as compared with 317,846*l.* (563,772 lbs.) in 1897. Most of this was Malwa and Patna opium.

Recollections of an Old Examiner.

THE examination-room is hardly the place where one would expect to find scope for the play of humour. The mere suggestion must sound cruel and cold-blooded to the parties principally concerned—the candidates—to whom the whole proceedings are, generally speaking, painfully earnest. Yet the present writer, in recalling his experiences of the examining Board of which he had the honour of being a member a good many years ago, finds that this is their predominant complexion. There was, of course, the source of humour common to all examining bodies—viz., the answers of some of the candidates, which were comic in their grotesqueness, such as the description of Esau as the author who sold his copyright for a bottle of potash-water. Such occasions of humour were frequent with us pharmaceutical examiners. We had a book of Latin autograph prescriptions, and the translations by candidates were often very amusing. I recollect one of these prescriptions, which directed a blister to be applied for twelve hours "per horas duodecim," was a veritable "pons asinorum." On one occasion a man paused over it for a long time; at length, realising that "duodecim" meant "twelve," he exclaimed, "I have it, sir; to be applied at 12 o'clock." Another man got an umbelliferous plant to identify, and, after carefully examining it, pronounced it "conium maculatum." "Conium maculatum," said the examiner; "where are the black spots?" Whereupon the candidate, after again carefully examining the stem from end to end, slowly said, "No, sir; there are no black spots, but there ought to be." Another man, in adding a reagent to something he was examining in a test-tube, got a violent explosive reaction. At once he held the tube away from him in his outstretched arm, and striking a dramatic attitude exclaimed, "By George!" Of course the humour of the thing lay in the fact that the explosion might easily have been foreseen.

Other incidents I can recall which seemed, and, indeed, might have been, sufficiently serious, but fortunately turned out rather humorous. Once a lady candidate (an unusual appearance in those days), who during examination wore her bonnet, which was composed of some flimsy inflammable material, brought it too closely over the Bunsen burner on the counter, and immediately the whole thing was in a blaze. The examiner, however, was able promptly to cover it with a towel and to extinguish the conflagration, without further damage than what the feminine headgear sustained. Another incident of the same description. A candidate on entering one department of examination had to sign his name, and instead of his own signed another man's. A. B. signed as C. D. Of course that was speedily discovered, and he was handed over to the Chairman. He (A. B.) could give no satisfactory explanation. Yes; he had signed C. D., but it was not his own name. C. D. was an intimate friend, and he must have been thinking of him. Could not account for it. He knew nobody in town that could identify him. He had come a long distance from the country last night or this morning. After a hurried consultation he was relegated to the "funking-form" until the Board could consider the case. It seemed a grave case. There had been more than one case of personation, but how should a personator be so careless as to sign the wrong name? The lad had been sitting some ten minutes in quarantine when he suddenly came up to the Chairman with a radiant countenance. "I think, sir, I can satisfy you of my identity." "Delighted," said the chairman. "How?" "Sir," he said in a lowered tone, "my linen is marked." It was the work of a very few minutes to get him into our private room, to partly undress him, and verify his startling statement. His examination was at once proceeded with, and the man passed.

In those days we used to have "Modified" men from time to time. This was a class of candidates which has of late years died a natural death. Perhaps it is not generally known of whom it was composed. When the 1868 Act was passed, chemists who were then in business were entitled to have their names placed on the register without examination. In like manner those who were then assistants were considered to have vested interests too, and were on that account allowed to send in their names to the Registrar and to come up at any future time for examination, and a speci schedule was devised to meet their case—the Modifi examination, which was confined to the most practical a non-scientific parts of the subjects. As may be suppose these candidates were generally much older than t Minor men, and as time went on this difference becar more and more marked. Some of them were thorou dispensers, but there were also some very queer specime among them, and some of them had to make their appe ance again and again before they were able to pass—unt indeed, they had been educated up to the point by the Boa of Examiners—so that their faces became quite familiar the examination-room. But, indeed, this happened with t other classes too. There was a touch of the pathetic in se ing men appear again and again in this way Sometimes th passed in the long run, after attempts numbering from tw up to even six or seven; sometimes after several trials th disappeared, let us hope to find a happier lot in anoth sphere of action. One Modified man, I recollect, made qui a scene when told that he had again failed to satisfy t examiners (he had been up several times before). He w an elderly bald-headed man, and he began to blubber a sob, "Oh, you don't say so. Oh, however am I to g home? How am I to face the missus? Ah, you don't kn my missus. I can't—I won't go home: I'll dig a big hole the ground, and I'll go down into it and I won't come o again!"

It was a study in physiognomy to observe the countenanc of the candidates when the result of examination w announced to them. The great majority of the unsuccessf men received the announcement manfully, but it was ca to read in their faces the whole gamut of emotion—fro mere stolidity to the most acute and bitter disappointmen Some there were who would have a grievance against t examiner or against some part of the examination, and wh would persist in arguing the point until repression becan necessary, and a few there were—a very few, I am glad t say—who denounced in strong language the Board and a its works as a swindle. Of the successful men there we very few of such phlegmatic temperament as not to betray b the beaming of their countenances their intense satisfactio The faces of some were really transfigured by their elatio In some extreme cases this elation was manifested in such a effusive and demonstrative manner as to become embarras ing, and to require repression as in the other case—only, how ever, to be renewed in the form of shouting and caperin as soon as the man was outside the door of the examinatio room.

The arrangements of the examinations and of what wer on behind the scene are, of course, too personal and co fidential for publication. Suffice it to say that our relatio with one another were always most agreeable and cordia and that the feeling of *camaraderie* which prevailed is on of the pleasantest recollections of the examination-roo All our intercourse with each other and all our proceedin were characterised by a harmony and an absence of frictio which have not been equalled in any other association wit which I have been acquainted.

I would like to take the opportunity of saying a word i vindication of examiners from a conception of them whic is more or less prevalent—viz., that they are the natur enemies of the candidate, that they are a sort of ogres o griffins set to guard the portals of the pharmaceutic domain, and that they have a malicious pleasure in preven ing anyone from entering. Nothing could be more unlik the truth. Every examiner has far more pleasure in passin than in ploughing a man Indeed, there is nothing dear to his heart than to find a man intelligently "up in h subject." Of course examiners, like other men, differ i idiosyncrasy, and some—especially younger men—may hav less tact and patience than others in finding out not onl what a man does not know, but also what he does; bu candidates may rest assured of this—and it should go far t reassure them, and to exorcise that evil spirit of nervousnes which haunts the examination-room—that in any reall doubtful case, when the balance is hanging level betwee *pro* and *con*, there is no examiner who will not let it inclin in favour of the candidate.

JAPANESE matches hold the Foochow market, and ar continually increasing in amount.

Heard in the Market-place.

"AND I guarantee them, lydies and gentlemen, as the only Brit preparation of the kind schednled and included in the Pharmacopœia."

T voice could be heard fifty yards away, bnt the speaker was visible, for a dense crowd surrounded him.

"you've never 'ad a cold, you've never 'ad a cough," the Voi went on unceasingly; "if you've never 'ad a cough, you' never had bronchitis; but you've all 'ad a tightness of the est, tonsiliris, asthma, difficulty in breathing, and othe infections of the chest and lungs, and for all such dist sing symptoms these 'ere wafers are a safe, certain, and re prevention and cure. They won't work no miracles. O n They won't cure consumption. Not much! They won cure chronic asthma. O no! I don't come here to hum g you or to tell you lies. I tell you the things only whi they will cure. They contain no poisons, no drugs, noth g deleterious or obnoxious. They are made only of the tracts of herbs fresh plucked from the gardens of nytu."

H a parting in the crowd revealed a prosperous-looking, rubi nd gentleman with an all-convincing smile. As he spok he dealt ont incessantly to his audience packet after pack of his "magic wafers." He was selling his nsual 3*d.* ckage for 1*d.*, and buyers were eager.

"e extract of English horehound," the orator continued. "th extract of marchmallow, the extract of Norwegian pine r, the best oil of English aniseeds, and 5 gr. of the red hincona bark of North America—namely, quinine. The are the guaranteed ingredients, and no better remedy has t been discovered by medical science." The enumeration f the ingredients was varied occasionally by the addi n of "extract of yarrow" and "extract of Australian paln eaf—namely, eucalyptus oil"; but customers seemed only e more impressed, and bought steadily. In half-an-hou he stock of "wafers" (the ordinary clove-candy of the eet-shops cut into small pieces) was exhausted, and a new arvel was introduced.

"ave 'ere, gentlemen and lydies, a preparation for the mos nportant organs of the 'uman hanatomy. Now you may all h e different opinions ab out these organs. One may think the' the most important, another the brain; some will say the gs, another the liver; some the stomach, and others the een. Bnt, believe me, lydies and gentlemen, medical scie has said that by far and away the most important orga of the 'uman body are the teeth. For w'y? Becos they erform the first lor of nyture. They masticate our food nd by performing that important duty properly they prev t what the greatest physicians in the world have told us is e worst of all diseases—namely, indigestion. It is to ever ne's benefit, therefore, to have good teeth and to keep them so. So I have introduced to your notice to-night a prep ation which I am selling, for this night only, at 1*d.* per x, three boxes for 2*d.*, which is half my usual price. This reparation I myself have used for cleaning and preserv my teeth for the past fifteen years, and with results whi you all can see for yourselves."

T public benefactor here displayed to the audience, in the re of his oil-lamp, a perfect set of pearly molars, and resu d.

"is marvellous preparation, called the South Australian Den rice, was first discovered and mannfactured in Aus lia by a man now dead. It was introduced into this cou y about ten years ago by the late Sir Morrell Mac nzie, physician to her Majesty the Qaeen. The late Hon rable William Gladstone was asked on one occasion how e accounted for his wonderful health. He said it was beca e of his good teeth, remarking that he had used this self- me South Anstralian Dentifrice, which I alone sell in the rket-places of England, for a great number of years. Now hatever your political opinions may be, gentlemen, you l all agree with me that when the Honourable William Glad one said anything he was convinced in his own mind it w the truth. So, here, I am offering you that preparation, whi I guarantee genuine, as scheduled and included in the Brit Pharmacopœia."

T latter was a favourite stock-phrase, and was delivered on e h occasion with an imposing emphasis and solemnity.

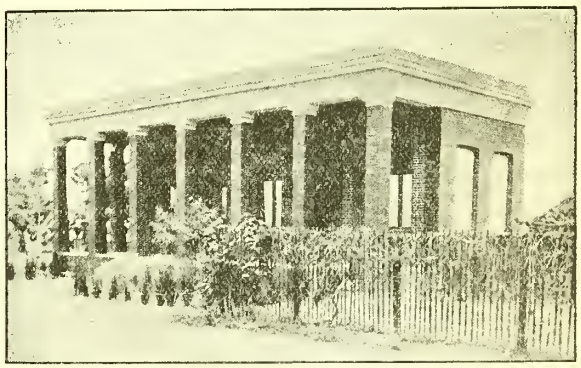
"I care not where you go," he proceeded with increasing impressiveness. "Go to any chemist's shop or drug-stores in London or elsewhere, and get whatever dentifrice they like to give you, but this you will find: Your teeth, which to-night may be white as the driven snow, will, in a few weeks after using such, become streaked with black, the enamel will in a few months be entirely destroyed, and your teeth will be black as coal. And w'y? Becos these tooth-powders and dentifrices all contain from 40 to 50 per cent. of common soda, pumice-stone, and other deleterious and obnoxious ingredients. Bnt this, which, as I told you before, I am selling for this night only at the mere acknowledgment of 1*d.* per box, contains neither common soda, pumice-stone, nor any other 'armful ingredient. And as sure as kind Providence has given us the genial summer sun and the winter's icy blawst will this clean, whiten, and preserve the teeth, and secure life-long health and happiness; besides, if made into a paste and applied to the gum it will cure toothache, neuralgia, or other painful infections of the mouth."

The wonderful dentifrice was prepared chalk coloured with carmine, but it sold like hot cakes, and the Man with the Iron Jaw presently closed his empty portmantean and strolled into the "Horse and Cow" opposite.

"What cannot be done," said a philosophical bystander, "with a few stock-phrases and an unfettered imagination?"

A Congo Dispensary.

CAPTAIN GUY BURROWS, in his interesting book on the "Land of the Pigmies," gives some particulars of the medical service in the Congo Free State. Doctors of the first class are ranked as captains, and those of the second as lieutenants. They are State medical officers, and give their services without fee to the officials of the Government and to natives, bnt private individuals and Europeans unconnected with the Administration are charged 1*l.* a visit, this being the fee that rules throughout the West Coast of Africa. There are fourteen medical men in the Government service, besides those on the Congo Railway, which has its own medical staff. The Government medical officers have



very considerable powers. There is no limit to the quantity of drngs which they are allowed to order from Brnssels, and they practise with complete liberty upon their own responsibility, and independently of the station or district commissioner. In addition to drugs and medical stores, every doctor has at his disposal a certain qnantity of the so-called "medical comforts," such as wines, preserves, essence of beef, arrowroot, &c. They dispense their own medicines, except at Boma, where there is a pharmacy or dispensary with a properly qualified chemist. This dispensary has qnite a unique appearance, and we are indebted to Messrs. C. Arthur Pearson (Limited) for the illnstration which accompanies this note.

THE total number of corks exported from Cadiz in 1898 was 58,000,000. Upwards of 14,000,000 went to Great Britain, abont the same number to Rio Oro, 8,000,000 to Chile, 10,000,000 to France, 4,000,000 to Denmark, &c.

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SULPHUR FUMIGATING CANDLES (Kingzett's Patents) 6d., 9d., and 1/- each.

PRESERVED PEROXIDE OF HYDROGEN (Kingzett's Patent).

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Editorial Comments.

Invoices as Warranties.

THE Standing Committee on Trade of the House of Commons has now finished its examination and correction of the Bill introduced by the Government to amend the Sale of Food and Drugs Act. The effect of the Bill as it emerges from the Committee would be, first, to give the Government Departments more power; secondly, to make possible penalties more severe; and thirdly, to shift to a considerable

exte the onus of the defence in cases of adulteration from the r il to the wholesale dealer. The new clause added to th Bill on the motion of Mr. R. G. Webster, providing that invoices shall have the force of warranties under the old t, is by far the most important and far-reaching alter on in the law which the Committee has adopted. It was ried by a majority of 20 votes to 16, but in the teeth of ea est opposition on the part of the Minister responsible for th Bill. The clause, as agreed to, reads as follows:—

For he purpose of section 25 of the Sale of Food and Drugs Act, 75, an invoice shall be deemed to be a warranty without t addition of express words of guarantee, but a warranty or in ice shall not be available as a defence to any proceedi under the Sale of Food and Drugs Act unless the defen nt has, within seven days after service of the summons, sent t the purchaser a copy of such warranty or invoice, with a writt notice stating that he intends to rely on the warranty or invoi and specifying the name and address of the person from whom e received it, and has also sent a like notice of his intention t such person.

To t , when it was carried against his advice, Mr. Long succe led in adding, as a minimum protection to the wholesale aler, the following condition:—

Th erson by whom such warranty or invoice is alleged to have been en shall be entitled to appear at the hearing and to give evide e, and the Court may, if it thinks fit, adjourn the hearing to en e him to do so.

Th difficulty in regard to warranties or invoices from forei vendors (who are not, of course, within the jurisdiction British Courts) is to some extent met by the subsequen rovision that the retail vendor, before he can claim that e summons against him shall be dismissed, shall prove "tha e had taken reasonable steps to ascertain, and did in fact lieve in, the accuracy of the statement contained in the rranty or invoice." It is obvious that in the absence of su a provision it would be possible for an unscrupulous retail in this country to associate himself with a wholesale deale of similar character abroad, and then defy the Act with unity.

Th pposition of the Government, and, we may add, the diffic ties inherent to the application of the clause, render it do tful whether it will yet be enacted, and at least certa that it will have to pass through close scrutiny in bo Houses of Parliament. It is a tempting clause and one ich can be supported by plausible arguments. The groc trade, we are informed, is pretty generally in favour of it nd Mr. Kearley's argument that "an invoice should mea hat it says," looks unanswerable. No one can dispute that, that the person who issues a false invoice should be liabl o punishment. But it does not exactly follow from these ropositions that the addition of the invoice clause to this ll is either called for or in the public interest. Nor are sure that it would be to the benefit of the better class f chemists and druggists. A large majority of the pros tions under the present Acts, so far as drugs are conc ed, relate to medicines sold by grocers and hucksters. Thes persons, when they are prosecuted for the sale of an impu or deficient drug, almost invariably appeal for the pity the Court on the ground that they know nothing abou what they have sold, except that the article was just wha was supplied to them by the wholesale house. The Mag rates generally remark that evidently the retail vendor has mmitted no fraud, but it is important drugs should be s pure, a small fine is imposed, and the trading goes on as b ore. But competent pharmacists can hardly desire to be ced on that level. They ask the public to rely upon thei dgment and probity for the supply of pure medicines, they aim to have specially qualified themselves for their busi ss, and their customers may reasonably expect a fair deg of protection from that qualification, which they understand they are paying for. This is the reputation chemists and druggists have been so long seeking to establish, and it will be seriously jeopardised if in every prosecution the defendant chemist adopts, as he naturally will, the defence open to him that the article sold was just what he bought from a wholesale dealer, of whom the purchaser knows nothing, and that that is all he has to say about the matter. So far as we can see, the same argument applies, though not perhaps so forcibly, to every retail dealer. The grocer, the baker, the milk-vendor, all profess to have expert knowledge about the articles they sell, and the public have a right to expect that those with whom they deal shall themselves take some responsibility concerning the goods they sell.

Then there is the point of view of the wholesaler. He will have to make so many qualifications on his invoices that he will soon get into the habit of contracting himself out of the Act altogether. For how long, for instance, will he guarantee his spirit of nitre? And what will he say in court in regard to drugs which he is confident were sent out by him pure, and have become diluted or contaminated since? There will be constant conflicts of evidence, it will be impossible to convict the wholesale dealer in regard to an article over which he has had no control for months, or perhaps for years, and the result will be that the retailer who must be acquitted will be indifferent, the wholesaler defiant, and the Act a dead letter. We are told that retailers complain that they cannot get legal warranties from wholesale houses when they ask for them now; is it certain that this enactment will at once make wholesale firms complaisant? When invoices are warranties they will be astute enough to find some way of so wording them as to evade unreasonable risks. Moreover, the law as it is now interpreted makes an invoice a warranty if it can be clearly associated with the specific article purchased. We cannot see that it is reasonable to demand much more than this.

Certainly we agree that some applicable method should be devised of making the wholesale dealer as responsible for his sales as the retail vendor is. It is merely ironical to refer the retailer to the 13th section of the Sale of Goods Act or to his remedy at common law for a breach of warranty. These proceedings will always be very rare What is wanted is some summary method of fining the wholesaler when it can be proved that he has sold some article not of the nature, substance and quality described.

We have taken some trouble to ascertain the views of the wholesale druggists on this question of invoice as warranty, and, with the exception of the somewhat guarded acquiescence in the proposal expressed by Mr. Umney in his interview with the Minister of Agriculture reported in our issue of May 6, we cannot discover that they have arrived at any definite opinion on the matter. If they have they do not seem disposed to express it clearly. The time, however, is ripe for a full and careful consideration of the whole subject and a definite pronouncement of their views. If they let the present time slip by, hoping that somebody will see after their interests, they will have nobody but themselves to blame if they find themselves caught by a harassing condition which will lead to endless friction between them and their customers.

The Land of Egypt.

THE formation of a British Chamber of Commerce at Alexandria three years ago has been justified by the help given by the Chamber to British traders. Apart altogether from our political position in Egypt, special attention to our commercial interests is justified by figures. The Chamber in

its third annual report, covering the year 1898, shows that the United Kingdom contributes exactly a third of the imports, the total, according to the Customs authorities, being E11 033 216*l*, and of this the United Kingdom sent in E3,872 451*l*. More than half of our exports to Egypt are cotton goods. Turkey has 18·67 per cent. of Egyptian import trade, and France 11·38 per cent., but except Belgium there is no rival to us in the prime items (cotton goods, coal and metals, machinery and tools); Belgium sends 3·1 per cent. of metals, &c., to Egypt, compared with our 4·08. The export trade of Egypt is chiefly in our hands, 47 per cent. of the total produce being sent to the United Kingdom, this consisting of cotton 31·28, cotton-seed 10·53, sugar and cereals 2·58, and other goods 2·69. In the Chamber's report few particulars are given regarding medicinal or pharmaceutical produce, and we would suggest that some inquiry should be instituted this year regarding the chemicals, drugs, perfumes, and soaps used in Egypt and where they come from. Meanwhile we note that the Persian and Parsee merchants of Cairo are doing an increasing business in Indian indigo, the imports in 1898 having amounted to E188,820*l*. against E184,112*l*. in 1897. One other Indian product, hasheesh, is under no circumstances permitted to enter the country. Our candlemakers appear to have lost trade out there to the extent of 5,000*l*. a year. In 1896 they contributed a seventh of the E38,102*l*. worth of candles imported, but this year they have supplied E763*l*. of the E27,501*l*. worth. There is a considerable trade in cotton-seed between Egypt and this country. Last year's exports were below those of 1897—viz., 357,160 tons against 395,050 tons—because the crops were late in coming to market, and the exports look smaller although they were not actually so on the whole season. A good beginning has been made in crushing the seed out there, in order to supply a local demand for cotton-seed oil, as well as to get export business in oil, and this is likely to grow, for British makers of oil-crushing machinery are doing all they can to sell their goods in Egypt.

We have on several occasions called attention to the extremely barefaced manner in which reputable trade-marks are imitated in Egypt. One reason for this is that there are no special laws there relating to trade-marks and patents, and injured persons or firms must seek redress under the common law. The Mixed Courts of Justice, as they are called, give facilities to foreign firms who feel injured, but in a trade-mark case during the past year the Court ruled, and the Court of Appeal confirmed the ruling, that if an infringer of a trade-mark, patent, or design pleads ignorance it is a good plea, if he can show the Court that he has not been warned beforehand. The effect of this is that importers of imitation goods are not liable to damages in respect to the goods imported before action has been taken. There is some measure of protection provided by the Mixed Tribunals, who undertake the registration of trade-marks, designs, and patents; and although this registration confers no protection, if the fact that a trade-mark is registered is advertised or brought directly under the notice of those concerned, it is strong evidence to bring before a Court. Moreover, during the year the Court of Appeal has given a decision in the case of "Royal Lutetian Cream," which will make it necessary in future for the defendant in a case to prove his good faith, rather than that the plaintiff should prove the defendant's bad faith. Messrs. E. Brown & Son were the defendants in the Lutetian-cream case, and it was shown that the cream had been made in Germany, but that the label was English, and the Court was satisfied that "the intention of the manufacturer was to cause a confusion in the eyes of the public between the genuine and fraudulent creams"—a mild but judicial way of expressing the matter. We mentioned some time ago that Schweppes (Limited) had their business in Egypt seriously injured by a local aërated-water manufacturer, who made and sold beverages which he called "Schweppes." After much legal delay the man has had to pay 20,000f damages, and all that remains for Schweppes now is to get the money.

The Soudan as yet gives no hope of immediate business to anybody; the place has to be repopulated, and the people have to reap harvests before they can begin to buy European goods; as the Chamber puts it, "the only goods likely to find a ready sale in any considerable quantity in the Soudan are those whose prices come within the means of an impoverished population." As to the methods of business with Egypt, the Chamber advises more English travellers to be sent out there—men who can speak French or Italian, the same languages should be used in circulars and trade lists, and quantities should be expressed in metric terms, with prices in Egyptian piastres (97½ = 18*l*. sterling) if possible. The metric system is essential, and the report rather enlarges upon the superiority of the system, which now, we should think, every British trader with thoughts about export trade has realised. It will be seen from the foregoing that the British Chamber of Commerce of Egypt looks very well after British trade which actually exists. We have indicated one direction in which it can do more, and now urge the importance of attention to those branches of business which can be pushed. Some specific information in these directions would be valuable.

As Others See Us.

COUNTER-PRESCRIBING by chemists and the Lord Chancellor's Pharmacy Bill are still attracting attention in the *British Medical Journal*. Mr. R. Cunliffe, M.B. and C.M., of Blackburn, happily describes the Bill as a proposal "to allow capital to take the place of qualification." He agrees with the Editor of the *Journal* in condemning THE CHEMIST AND DRUGGIST for publishing a work calculated to aid the counter-prescriber; but he is fair-minded enough to concede that it is the competition that chemists have to face to-day that compels them to follow this course. Counter-prescribing, he says, is far more common with companies than with the respectable chemists, and he urges that the medical profession should actively support chemists in their endeavours to raise pharmacy to a proper level. Dr. Reginald Farrer, of Stamford, is equally shocked at counter-prescribing, which he says "is beyond doubt fraught with danger to the public, discredit to the prescribing chemist, and" (here perhaps lies the sting of the offence) "loss of profit to the medical profession." But he insists that it is the dispensing doctor who is principally responsible for the offence. "So long as the medical practitioner is in effect a rival apothecary trading under the prestige of a learned profession the retail chemist will jealously guard his counter-patients from the clutches of his rival." But he points out that the druggist will not care to alienate the good will of the physicians whose prescriptions he dispenses. And, last, Mr. William Day, of the Southern Drug Company, joins in the fray. He is concerned with the letter of Dr. Fielding-Ould, which we quoted a fortnight ago. Even if the Pharmacy Bill should allow companies to have as many shops as they like for one chemist (which he does not admit is its meaning), there are, he says, probably hundreds of shops belonging to individual chemists managed by unqualified persons. If this is illegal now why does not the Pharmaceutical Society stop it? If Dr. Fielding-Ould can point to a single company-shop not under the management of a qualified chemist, he need only mention it to the Secretary of the Pharmaceutical Society to ensure prompt action.

Comp ies, he states, number their customers by millions, and t ir wonderful popularity is due to the real advantages they ve. Many hundreds of thousands of pounds have been vested in these enterprises, and to suddenly declare them egal "would be such a monstrous injustice as could not b aralleled in recent times."

'he Pharmaceutical Society's Annual Meeting.

"For he third and last time," said Mr. Walter Hills, in ackn ledging a very cordially-expressed vote of thanks to him r presiding over the annual meeting of the Pharmaceuti Society of Great Britain. It is an open secret that Mr. H ls has for some time intimated his disinclination to acce a new term of office as President, and this concise allusi , we suppose, may be taken as an authoritative and defin announcement. Mr. Hills has served the Pharmaceuti Society faithfully and well as its President, and he leave t in an undoubtedly stronger position than he found it. U der his presidency, and to a considerable extent throu his exertions, the new by-laws, ensuring a large extra come to the Society from candidates for examination, d the new Act, resulting in at least a temporary acces n of strength to the Society, have been secured. We have t been able to wax enthusiastic over these measures, and v have had to criticise the policy of the Council, which it ha allen to the lot of Mr. Hills to officially expound and defen in several other directions. But we do not think that polic ould have found a more temperate or, on the whole, a mo skilful advocate than the present President has proved hims to be.

We o not know of anyone, except ourselves, to whom he has en unfair; and unfairness to THE CHEMIST AND DRUGGIST is perhaps an essential to Bloomsbury Presidents, for w h they are no more morally responsible than children are f measles. In his opening speech on Wednesday Mr. Hills ferred to the "uniformly hostile criticism" which the Coun met from a certain quarter, which it would be affec ion to suppose did not mean THE CHEMIST AND DRUGGIST. It is disappointing to find that our frequent supp of the Council's action is so invariably ignored. He also id the Council had been severely criticised because they d not accept the Lord Chancellor's amendment to their harmacy Bill of last year. This was the same slander as th which Mr. Young, of Warrington, adopted in a spee at Blackburn a few weeks since, and which he so signa failed to justify. We never advocated that the Lord hancellor's amendment should have been accepted but w will repeat, weekly if necessary, that by pressing for its w drawal so as to save their Bill, the Council let go the fi st opportunity ever offered for a fight on the company-quest n. The financial affairs of the Society, Mr. Hills admi are unsatisfactory, but once again he bids us wait anoth year. Something is going to turn up soon. The Presi nt's speech was not one of his best efforts, and was deliv d with a rather wearied air.

Th discussion which followed it was almost as lifeless. Mr. H slop's moralisings on pharmacy proper and improper were ceived with irreverence at the upper end of the room, and en they got too prosy, with the accompaniment of a subd l shuffling of feet. But this only stimulated the good an to more morals, and the President appealed for silen for "Mr. Hyslop's peroration." As this delineated phar cy as both the pioneer and the rearguard of medicine, it wa orth waiting for. Mr. Barrett, of Leamington, infused some spirit into the proceedings by a sharp criticism of the Watch Committee's circular appealing to members not to move in regard to the Lord Chancellor's Bills while they were in the House of Lords, and this advice he characterised as a "grievous mistake." Mr. Campkin supported this view; and when Mr. Lomas had contributed a few melancholy reflections, the report was added to the Chronicles of Bloomsbury.

But the reporters were not to get off so easily as affairs seemed to promise. There was Mr. Glyn-Jones yet to reckon with. That gentleman has added a new and attractive drama to his *repertoire*—the unqualified dispenser to medical men. He has played it, if not before all the crowned heads of Europe, at least before the Privy Council, the British Parliament, the Executive Committee of the General Medical Council, and the Editor of *Truth*; and he had billed himself for this meeting of the Pharmaceutical Society. The Council, it soon appeared, in "arranging the business of the annual meeting," had resolved, if possible, to make him move on to the next street. But Mr. Glyn-Jones is not, as yet at all events, so movable as he may become when he gets sufficiently dosed with the Council-chamber atmosphere. Consequently a good-tempered wrangle of half an hour ensued as to the validity or otherwise of his motion. The President said he must rule it to be *ultra vires*, and he proceeded to give some reasons for this ruling. Mr. Glyn-Jones was not quite contented with them, whereupon Mr. Carteighe interposed with the comment that the President having ruled that was sufficient. There was no necessity to give reasons. This was not quite the democratic ideal of which we have heard so much during the past year, but in view of the evidently feeble defence which the Council had, it was undoubtedly sound advice. But the President ignored it. He said the motion was argumentative, and it related to a body with whose affairs that meeting had no concern. It was not quite clear whether this sacred body was the Privy Council or the General Medical Council. It did not signify however; the great thing to avoid was a committal of the Society to any definite policy. Mr. Glyn-Jones was exhorted to make his speech and leave it to the Council to deal with the matter in its wisdom. But Mr. Glyn-Jones would not consent to this; he wanted some action to follow his motion if he carried it, and he neatly hinted that the reason why his motion was declared to be *ultra vires* was merely that the Council did not agree with it. Ultimately a compromise was effected; the Council were "respectfully invited" to ask the Medical Council to co-operate with them to put a stop to unqualified dispensing. This was allowed to pass. The "respectfully" did it. Mr. Glyn-Jones made a good fighting speech, but it was based all through on the argument that unqualified dispensing in doctors' surgeries was depriving the chemist of profitable business. This contention could be quoted with fatal effect against chemists by medical men; and a worse—and, we fear, a true—point was made against the case by one of Mr. Glyn-Jones's supporters Mr. Barrett, who insisted that unqualified dispensing was as general in pharmacies as in surgeries. Mr. Butt came to the rescue of the Council with an amendment to the motion simply referring the question to the incoming Council, without indicating what line they should take. After several ineffectual attempts to get at the mind of the meeting, which seemed to be pretty evenly divided, the votes were counted by tellers, an innovation which we do not remember has ever been previously adopted. It was ultimately announced that 56 voted for the amendment and 48 against it. This vote was a moral defeat of the Council because it was taken after the President had stated that he should look upon the result as a test of confidence in the

Council, and especially as the councillors themselves all or nearly all voted as the President desired.

A significant incident of the discussion is worth recording. Mr. Glyn-Jones complained that no intimation had been sent to him that his motion would not be accepted for discussion. The President, in reply, said he should have communicated with him if it had not been that he found Mr. Glyn-Jones had informed the trade-journals of his notice! And the curious feature of this reply was that it was received by the faithful surrounding Council with applause, as if it was a complete answer, or indeed any answer at all. That the uniformly courteous President of the Pharmaceutical Society should consider such a letter to a trade journal a justification for outlawry only shows how completely the spirit of officialism has warped the judgment of the Bloomsbury authorities.

CAUSE AND EFFECT.

His first step in a downward career was that his father objected to have him vaccinated. This is the reasoning of a metropolitan magistrate. An apprentice to Lewis & Burrows pleaded guilty to embezzlement from his masters, and has gone to prison for a month. The lad, it was said, before he came to Lewis & Burrows had been employed at the Army and Navy, and left there because his father objected to his being vaccinated. "A silly objection," remarked Mr. Fordham at the North London Police Court, "which in all probability led up to this. Had he remained at the Army and Navy Stores he might not have had the opportunities for theft that he evidently had here." Mr. Fordham's logic would have been improved if he could only have brought himself to say what no doubt he really felt—that vaccination introduced moral fibre as well as cowpox into the system. We never read anything from an anti-vaccinationist quite so silly as this gentleman's observation.

DENATURED SPIRIT FOR INDIA.

The following General Order, dated May 8, 1899, has been issued by the Board of Customs:—

Methylation of Spirits; Use of Caoutchoucine: for Denaturing Spirits Intended for Exportation to India.

Officers are informed that the Board, after communication with the Board of Inland Revenue, have sanctioned the use of caoutchoucine, in any quantity, for the purpose of methylating spirits in bonded warehouses, for direct exportation to India, provided the operation be conducted (except as regards the quantity of the denaturing agent to be added) in strict accordance with the regulations applicable to the methylation of British and foreign spirits in warehouses, and on the distinct understanding that the Revenue shall incur no responsibility for the quality or quantity of caoutchoucine used.

Samples of the substance in question need not be submitted to the laboratory for approval prior to mixing with the spirits.

The Board therefore direct, in concurrence with the Board of Inland Revenue, that paragraph 420 of the Warehousing Code be amended as follows:—

After the word "alcohol" insert "or as regards spirits for direct exportation to India, with caoutchoucine."

Copies of the code are to be noted accordingly.

This is a welcome concession, because anything which indicates more liberal methods of denaturing duty-free alcohol is bound to be advantageous to internal industries. Caoutchoucine is a hydrocarbon similar to turpentine, and spirit denaturised with it would probably be more suitable for some pharmaceutical purposes than the present methylated spirit.

CANADIANS AND THE B.P.

We are pleased to note from an editorial in the *Canadian Pharmaceutical Journal* that a solid contribution has been made to the B P. Colonial and Indian Addendum by Canada. In our issue of April 1 we referred to Professor Morrison's action in this matter, and the list of Canadian remedies which he thought desirable to be officially recognised. *C P J.* now states that

On the suggestion of Professors Blackadder and Ad a committee was named to superintend the work of preparin he Canadian Addendum, and the editor of the *Journal* Pro or Morrison was asked to undertake the practical work in co tion therewith, his list being, in the opinion of those inter d, sufficiently complete. The work of preparing the formula nd making the preparations for exhibition to the committee wa ly carried out in the laboratory of Messrs. Lyman Sons & C of Montreal. Samples and full descriptions of the processes ed, ready for transmission to Professor Attfield, were presented he meeting of the committee, held on April 21, and with ew delotions were accepted, and copies were ordered to be sent he presidents of all the medical and pharmaceutical associatio of Canada for criticism. As soon as replies will have been rec d, the work of comparison and arrangement will be complete nd the finished copy forwarded to the General Medical Council

This is the sort of thing that was wanted, and with si lar assistance from Australia, India, South Africa, and er British possessions in which modern pharmacy has a al foothold, we should get an Addendum worthy of the En re.

MORE "TRUTH" ABOUT DOCTORS DISPENSERS.

The question of unqualified dispensers as assistants to m al men was brought up again in Parliament, on Friday last, jor Rasch desiring to know on what grounds the Privy Counc e believed that very few accidents occurred through mistakes o he part of unqualified dispensers. The answer was to the effec at the Privy Council have very few such cases reported to m. This is very much what I expected. The Privy Council ha no knowledge on the subject, and their opinion is based solely on absence of knowledge. For the reasons given in last k's *Truth*, I question whether their ignorance justifies the ory which is founded upon it.

From certain interrogatories which have been administered me respecting the article on "Epsom salts and oxalic acid," I fea at I did not make my meaning sufficiently plain. One correspo nt wishes to know whether I desire to invest chemists and dru ts with a monopoly of all dispensing work. I wish to invest qu ed dispensers with a monopoly; whether such qualified men to be styled chemists and druggists or by any other name is a ter of no moment so far as I can see. The same correspondent —What about those dispensers who have served a regular pu ge either to a doctor or chemist, passed a recognised prelin ry examination, and finally taken the certificate, after examin on, as assistant of the London Society of Apothecaries? The a er is that if all this is a sufficient qualification, these men sho be allowed to dispense. I have not attempted to decide wh he qualification should be; that is a question to be decided by m- petent authority.—*Truth.*

A Medical View.

The *Medical Press* says the General Medical Council ha ne its best to throw cold water on the outcry against the emplo nt by medical practitioners of unqualified dispensers, an he Government is apparently delighted to have an excu for leaving matters as they are. There is not much reason to su se that such accidents are common, but it is impossible to g ay the assertion that if they are frequent the public would be likely to hear of them, seeing that it rests with the perso ho has most to lose from a scandal to get the dead past to bu its dead. Still, one would have expected the General M al Council, which has shown such tenacity (of late) in prohi ng unqualified assistants from performing professional duties, t ve displayed the same interest in respect of the assistants c lly unqualified from a dispensing point of view, because disp ng is an essential part of medical practice for the bulk of c- titioners. . . . The question is likely to come up at the th- coming meeting of the Council, but we are not sanguine a ny progress being accomplished in this direction. . . . The fac at the outcry was started by the chemists and druggists, obv ly in deference to trade-interests, will not commend it to the o- fession.

Calais imported from Great Britain 228 tons of che al products in 1898, against 60 tons in 1897.

The New Preliminary Examination will not me into force until after July, 1900. For all about the ew subjects, see Dodd's "Guide to the Preliminary Exa ia- tion," published at 42 Cannon Street, E.C., for 2*s.* 6*d* by post 2*s* 9*d.*

Legal Reports.

Valentine Meat-juice Litigation.

The action of the Valentine Meat-juice Company *v.* the Valentine Meat-extract Company (Limited) and C. R. Valentine was commenced before Mr. Justice Stirling, on Wednesday, May 10, in the Chancery Division. We reported last week the proceedings on the first and second days of the trial, which was continued on Friday. The plaintiff company, who reside at Richmond, Virginia, U.S.A., seek an injunction to restrain the defendants from carrying on business as manufacturers or vendors of extract of meat or meat juice under any name or title in which the word "Valtine" or "Valentine's" formed part, without clearly distinguishing such business from the plaintiffs' business.

Mr. Fletcher Moulton, Q.C., M.P., Mr. Swinfen Eady, Q.C., and Mr. Sebastian were counsel for the plaintiffs; and Mr. Upjohn, Q.C., and Mr. Sims for the defendants.

Mr. Benson-Harries, chemist and druggist, of Newport, Mon., said in March last he purchased three dozen boxes of defendants' globules, believing them to have been prepared by the Valentine Meat-juice Company. He remarked to the traveler that it was a new form of putting up meat-juice, and the latter said it was.

A number of other witnesses give evidence of a like nature and this closed the plaintiffs' case.

Mr. Charles Richard Valentine, one of the defendants, was then put into the witness-box and examined by Mr. Upjohn, his counsel. The witness said before 1895 he had had experience in the meat-extract trade by being commissioned by the New South Wales and New Zealand Governments to report on the produce-trades. For three years from 1895 he managed the produce-department of the Colonial Consignment and Distribution Company, who did a considerable business in extract of meat, and this brought him into direct touch with manufacturers and buyers. Witness had at disposal to the new company the original invention, patents, trade-marks, and promises of orders, which were, in his view, a strong nucleus to go one with. Many people had told him that he was on the right track. That nucleus of business was undoubtedly connected with his individuality and name. In his judgment there was a pecuniary value in his name in connection with meat-globules. It was untrue that he had selected the name Valentine (which was his own name) for the purpose of trading on the reputation of the plaintiff company, and the allegation of fraud against him was unfounded. The defendant company had taken counsel's opinion, and had always acted within it. Strict injunctions had been given to the defendant company's agents not to represent that the meat-globules were made by the Valentine Meat-juice Company. He remembered showing Mr. Chate some of the globules after the defendant company was formed, but nothing was said about Valentine's Meat-juice Company.

Cross-examined by Mr. Moulton: Among his reports to the New South Wales Government as a dairy expert, and to the New Zealand Government from England as produce commissioner, none, so far as he remembered, had reference to extracts of meat. In March, 1897, the Colonial Consignment Company received their first consignment of extract of meat, and until that time there had been no reference to it in the advertisements. Prior to his joining the Colonial Company he had never bought, sold, or manufactured extract of meat. His trade with it was in bulk. Until after the company was incorporated on October 16 1897, he had not sold any of the extract of meat made by the defendants' process, nor before that time had he sold any extract of meat in his own name or on his own behalf: he had sold it in bulk as the manager of the Colonial Consignment and Distribution Company.

Mr. Moulton read the defendant company's circular, which stated that "Mr. C. R. Valentine had been for some years identified with the manufacture and handling of extracts of meat." Did he justify that?

Witness claimed that he was so identified by reason of his having been a large handler of extracts of meat, and long known by the manufacturers in the colonies, whose factories he had been through.

Did it to you that you wrote that intending it to be understood that you were one of the Valentines who were so well known as manufacturers of meat-juice?—I say no.

Then tell his Lordship how you were for some years identified with a manufacture you had never taken part in?—I was a recognised authority in the colonies, and was known by the manufacturers of extract of meat. What I said I meant.

Do you think the public would take it from this circular that you were merely manager of a company which sold extract?—No; the public would understand from it that I had been identified with meat-extract, as I had been. He did not know if grocers, chemists, and doctors would misconstrue it.

Questioned further, witness said his affidavit that the registered word "Valtine" was first suggested to him in May, 1897, by the Comptroller of Trade-marks was true.

Mr. Moulton then read the application signed by the witness on which he obtained the American trade-mark rights in the word "Valtine." In that declaration was the phrase, "This trade-mark has been continuously used in my business since February, 1897."

Mr. Moulton: "Since February, 1897." That is untrue?—I cannot say definitely without referring.

Then the statement that it was suggested to you by the Comptroller in May, 1897, was untrue?—Certainly not; it is not untrue.

Then the suggestion that you used it continuously since the previous February must have been untrue?—The papers were drawn up by my patent-agent. What I signed I believed in.

You had no business in February, 1897?—Witness replied that he thought the word had been used on the few boxes they packed with an ordinary label bearing the impression of their trade-mark.

Then I will read this to you from your signed declaration, sworn by you. This preparation, you say, "was used by me in commerce between the United States and foreign nations or Indian tribes." What do you say to that?—These papers were prepared, and I signed them.

No, no, Mr. Valentine; you swore this. That was untrue?—I am afraid, really, it was not correct. (Laughter.)

No; it was untrue?—It was of course untrue.

On Saturday the cross-examination of Mr. C. R. Valentine was again taken up by Mr. Fletcher Moulton. Witness said in June, 1898, he left the service of the Colonial Consignment and Distributing Company, and then took over the premises of that company in Tooley Street and the agencies in Manchester and Liverpool. Valentine & Co. was then formed. The defendant company never manufactured its raw extract of meat; it came from Australia.

Mr. Moulton produced an advertisement by the defendant company, which contained a statement that their extract of meat was "made from British prime-fed ox beef." (To witness.) That is false, is it not?

Witness replied that it was not false. Australia was British. (Laughter.)

Mr. Upjohn re-examined the witness, who said the extract of meat received in its raw state from Australia was treated over here. When he signed the application for the American trade-mark drawn up by his patent-agents he had not read it carefully.

By Mr. Swinfen Eady: Witness was now the only director of the defendant company, no other director having been appointed at present. Mr. Hughes and Mr. Baines, formerly directors, had both resigned.

Dr. Lennox Browne, M.D., said he had had no reason to be dissatisfied with the defendants' meat-globules; on the contrary, he attached great importance to them.

Mr. George Kidd, commission traveller, who had acted as agent in South Wales for the defendants, said he had definite instructions to contradict any suggestion of connection between that company and Valentine's Meat-juice Company. Examined as to his letter of March 9, in which he stated "everyone that I have spoken to seems to think it one and the same firm," witness said he had only called upon chemists—about half a dozen in Newport (Mon.)—when he wrote that. Many times after that the same mistake was repeated by other people. He had always told them the meat-globules were not prepared by the American firm, and, acting on his instructions, had done his best to dissipate any confusion where such arose.

On the case being resumed on Tuesday, Mr. Short, secretary of the defendant company, was called. This witness said that Mr. C. R. Valentine, in the presence of Mr. Hughes, instructed him that every person who seemed to confuse the two companies was to be put right, and that witness was not to do anything that might lead to confusion, and to see that the counsel's opinion which had been obtained was followed to the letter. Travellers were engaged in March, 1898, and witness, on instructions, told them that they had no connection with the plaintiff company, and they were to make it plain to customers. The defendants sent out circulars to every grocer in the kingdom, and to every chemist, hospital nurse, and infirmary, as well as to about 3,000 country gentlemen. Some letters had been received from persons believing that the defendant company was the plaintiff company. All those letters had been produced to the plaintiffs. Mr. C. R. Valentine instructed him to write in each instance stating that there was no connection between the companies, and that the articles the defendants were selling were entirely different from those sold by the plaintiffs. In an advertisement of the globules it was stated that the "natural juice of the meat" was retained. Witness was responsible for that phrase, but there was no intention of conveying that it was Valentine's meat-juice. The preparations which were the defendants' direct competitors in trade were Liebig's blue label, Bovril, and Vimbos; there was no competition with Valentine meat-juice. The phrase "Valentine's Valtine" was first used on a few of the tins, but, in consequence of counsel's opinion, while the order for tins was being carried out the manufacturers were instructed to leave out the word "Valentine," and all the tins thereafter were labelled simply "Valtine meat-globules."

Mr. Upjohn: It is suggested that you only altered the name by the omission of "Valentine" after this action was lost?—That is absolutely untrue. The change was made in December, 1897, before we did any business or sent out any goods at all.

Witness said that at the Grocers' Exhibitions there was an urn, with cups around, at the defendants' stall: a meat-globule was dropped into the cup, and the extract was brewed on the spot. There was nothing at all like the plaintiffs' meat-juice bottles on the stall. The exhibit was solely the defendants' tins and globules. Sometimes, when witness called on the grocery heads at large stores, he was told that the goods were stored in the drug-department; but he always denied that, and explained that his goods competed with Bovril and similar foods.

Cross-examined by Mr. Swinfen Eady: There had been no meeting of the directors of the defendant company since February last. Under the agreements, no one concerned in the company was to be allowed to use his name in connection with the extract of meat apart from the company. Since the formation of the defendant company the sale of extract of meat in bulk by Mr. C. R. Valentine had continued down to the present day, but he did not sell pots, or anything retail. Mr. C. R. Valentine had been released from the operation of the restrictive clause, by resolution passed at a shareholders' meeting, on condition that he acted as broker for the company for extract of meat free of brokerage. Witness had no reason to doubt that between August, 1894, and February, 1897, the books of the colonial company showed only one shipment of extract, and that was on December 15, 1894—"extract mutton." What he meant when he stated, in letters sent out for the defendant company, that Mr. C. R. Valentine had been closely identified with the manufacture of meat-extract for several years, was that he had visited, as a Government expert, the factories in which extract of meat was made in the colonies. Very frequently people thought the defendants were connected with the plaintiff company, until he told them differently.

Sir Westbury Perceval, Agent-General of New Zealand from 1891 to 1896, said he became acquainted with Mr. C. R. Valentine, who, some eighteen months or two years ago, showed him some of the meat-globules he had invented. Witness was a director of the Colonial Consignment and Distributing Company, and in his opinion Mr. Valentine's name was of value to the defendant company.

By Mr. Moulton: His whole knowledge of Mr. Valentine's trading-reputation was gained as a director of the company mentioned.

At the close of this witness's evidence, the further hearing of the action went over until next sittings.

A Dispute in Regard to Chemical Plant.

In the Queen's Bench Division, on May 12, before Justices Darling and Channell, sitting as a Divisional Court, the defendant in the case of Daglish v. Barton appealed from a decision of Mr. E. Pollock, the Official Referee, in a case tried at Liverpool. The plaintiffs, who are chemical-plant engineers of St. Helens, sued for the balance of the price of machinery supplied by them to the defendant. The defendant alleged that the machinery was not in accordance with the contract, and was defective, and put in a counterclaim. The Official Referee had only allowed defendant a few pounds by way of deduction, and gave the plaintiffs the whole costs of the claim and counterclaim. From counsel's statement it appeared that defendant, contractor, had agreed with the Lancashire White-lead Company to erect machinery for them. He bought from the plaintiffs machinery for making white-lead by a patent process. This was erected in June, 1898, and was said to be defective. The White-lead Company claimed from him (Barton) 537*l.* and eventually the whole matter was referred to the Official Referee. The defendant now contended that the Official Referee had wrongly excluded certain evidence, and he asked for a new trial.

Counsel for the respondents submitted that the finding of the Official Referee was a decision on the facts, and not on a point of law, and therefore no appeal could lie.

Their Lordships, after some argument, remitted the case to the Official Referee for rehearing on certain points.

Damages for a Mistake.

At Brigg County Court, on May 12, before Judge Morris, Thomas Fox Garbutt, of Kirton-in-Lindsey, sued Samuel Boon, chemist, of the same place, for 5*l.* damages for negligence in supplying, as it was alleged, wrong medicine to plaintiff's wife. The contention was that Mrs. Garbutt, wife of the plaintiff, on January 31, at defendant's shop, asked for ½ oz. of castor oil, and defendant's son supplied her with something in a bottle which was labelled castor oil. She dosed her children with the contents, and both were taken ill. Dr. Thorpe gave evidence as to being called to plaintiff's children, whom he found suffering from severe pains in the bowels, diarrhœa, and sickness, and in a somewhat dangerous condition. He attended the children for six weeks. Asked by his Honour what he thought had been administered to the children, witness said the only thing he could think of was croton oil. His charge for attending the children for the six weeks was £19. Evidence was given by defendant and his son, the latter stating that he pointed out to Mrs. Garbutt at the time when she bought the oil that the bottle was dirty. His Honour, in summing up, said he could come to no other conclusion than that the illness was caused by the contents of the bottle, and that the defendant's son had made a mistake. He gave judgment for the plaintiff for the amount claimed, with costs.

Weights and Measures Acts.

Chemical-manufacturers Fined.

At Blackburn, on May 9, Messrs. Adley, Tolkein & Co., chemical-manufacturers, were summoned for having in use seventeen unjust weights, and for using two unjust weighing-machines. The prosecution stated that the weights were not light, but too heavy. One of the weighing-machines was also against the defendants, but the other, a platform machine, was against the purchaser, this being due to wear and tear of the levers under the platform. The defence was that the weights had been made too heavy by some chemical action which the defendants could not explain. The weights had not been adjusted since 1893, but that had been due simply to an oversight, which would not occur again. The Bench imposed a fine of 10*s* and costs in each case.

Apothecaries Act.

At Pontefract, on May 10, "Dr." Joseph Tempest, Pontefract, formerly of Oswaldtwistle, was sued by the Medical Defence Union for a penalty of 20*l*, under the Apothecaries Act of 1815. Mr. Eldridge was for the prosecution, and Mr. Schultess-Young, barrister-at-law, defended. Defendant, being in Wakefield Gaol in default of payment of a fine of 20*l*. imposed some six weeks ago on a prosecution by the Medical Council for "pretending to be a doctor," was unable to be present and the case was proceeded with in his absence. The evidence had been heard before, but the jury disagreed, and a fresh trial was ordered. In the course of the argument his Honour asked Mr. Eldridge, who appeared for the plaintiffs, supposing the medicine given was simply coloured water would defendant be then acting as an apothecary?

Mr. Eldridge: Yes, if he sold it for the purpose of gain.

His Honour: I do not know, unless we have evidence of what the medicine contained, how you can make that relevant. Supposing the stuff was harmless?

Mr. Eldridge: He sells it for medicine.

Evidence was then taken.

Arthur Waide deposed that the defendant, on January 2, felt his pulse and examined his tongue, and then said that his pulse was beating abont twice too fast. He paid 2*s*. for a bottle of medicine on this and on subsequent occasions. Similar evidence was given by two other witnesses.

Mr. Schultess-Young, for the defence, argued that the fact that the defendant supplied medicine did not show that he practised the art of the apothecary. He must not only have treated and advised patients, bnt he must have professed to judge of their internal diseases by symptoms and must have supplied medicines professedly to cure those diseases. He administered "harmless simples" such as were known to their grandmothers, and some of which produced quite as satisfactory results as scientific treatment. The jury returned a verdict for the defendant, and his Honour gave costs on the higher scale.

The Factory Acts.

Wholesale Druggists Fined.

At Bedford, on May 9, Messrs. Brook, Parker & Co., wholesale chemists and drnggists, Edderthorpe Street, were summoned for employing six workpeople over the maximum number of hours allowed by the Factory Acts. The defendants said the employés had to work overtime owing to alterations which were going on. Fines of 5*s*, and 10*s*. costs, were imposed in two cases, and in the other four cases the defendants were ordered to pay the costs.

Sale of Food and Drugs Act.

Camphorated Oil.

At Durham Police Court, on May 10, Thomas Curtis, Tudhoe Grange, was charged with selling camphorated oil which was deficient in camphor to the extent of 69·98 per cent., and was not made with olive oil. The analyst was of opinion that it might be common cotton-seed oil or colza oil. The bottles were sold from a large card, upon which were printed the words "Finest-quality camphorated oil." For the defence it was argued that the defendant was in no way responsible; the responsibility rested with the wholesale people, from whom he had bonght the oil in sealed bottles. He had written to them, but they had declined to give any undertaking as to the payment of costs and penalties. The Bench, after consultation, imposed a fine of 20*l*. and costs, stating that defendant bad his redress with the wholesale people. Three months were allowed for payment.

At Dudley Police Court, on Monday, Phœbe Ameson, huckster, was summoned for selling sixpennyworth of camphorated oil, in six penny bottles, not of the B.P. quality. Defendant pleaded that she did not sell it as camphorated oil, but as embrocation. The label on the bottles bore the words "aromatic camphorated rubbing-oils." The inspector said there was really no blame attached to the defendant except that she had not applied for a written warranty from the wholesale firm who supplied the oil. He had warned shopkeepers to get warranties, and a good many had done so. The Bench imposed a fine of 1*s*. and costs.

Olive Oil.

At Dartford Police Court on May 13, the Crockenhill Industrial Co-operative Society was summoned for selling olive oil which was certified by the connty analyst to consist entirely of cotton-seed oil. For the defence it was urged that the oil was sold under a misapprehension, pure olive oil being kept on the premises. A fine of 15*s*., including costs, was imposed.

Oil of Juniper.

At the Clerkenwell Police Court, on Wednesday, before Mr. Horace Smith, the hearing was resumed for the third time of the summons against Mr. William George Blackham, chemist, of 510 Hornsey Road, N., for having sold, on February 14, oil of juniper not in conformity with the requirements of the B P.

The wording of the summons was as follows:—

"You are summoned for that you did on the 14th day of February, 1899, sell to the prejndice of the purchaser a certain article of food (to wit) oil of juniper, which was not of the substance and quality of the article—to wit, oil of jnniper—demanded by the purchaser, the said oil of juniper containing 100 per cent. of oil of juniper-wood"

The summons was taken out by the Islington Vestry under the Sale of Food and Drugs Act.

It will be remembered that a few weeks ago Parkes' Drug Stores were summoned for a similar offence; but the solicitors for the defendant company had the case adjourned on the gronnd that they could prove that what they sold was the same as was sold by everyone—the commercial article. It was contended that the price also bore this out. Several wholesale chemists were called and said the same thing. It was also said that the B P. was wrong in so far that no oil of juniper was made from the unripe green fruit, but from berry. Mr. Smith, on this occasion, held that a person was entitled to get what he ordered, and fined the defendants.

Mr. Blackham, whose summons had been put back pending this decision, then said that Dr. Teed's analysis on behalf of the Islington Vestry was quite wrong, and he claimed his right to have a special analysis made at Somerset House, which he said wonld prove that what he sold answered all the requirements of the B P.

The summons was accordingly adjourned for this purpose.

Mr. Bramall again applied to prosecute on behalf of the Islington Vestry, and

At the resumed hearing Mr. Smith asked the defendant if he had seen the certificate.

Defendant: No.

Mr. Bramall: The case is on all fours with the case against Parkes' Drug Stores.

Mr. Smith: Yes; certainly.

Defendant: No, not at all.

Mr Smith: Oh yes; most decidedly it is.

Mr. Bramall: They were fined for selling oil of juniper-wood when they had been asked for oil of juniper.

Mr. Smith: Yes, that is exactly what I hold; there is no other interpretation for it.

Defendant: This analysis says that it agrees with all the tests of the B.P

Mr. Bramall: Oh, no.

Defendant: Except with regard to the taste.

The Chief Clerk: But you will see at the end of the certificate that it says what the article is.

Mr. Bramall: The B.P. says that it shall be made from the nnripe green fruit.

Defendant: Did you ever hear of it being made from the unripe green fruit?

Mr. Bramall: I must admit I am not well enough versed in snch matters myself. (Laughter.)

Mr. Smith: The question as to that was what was raised last time, but it does not matter. The B.P. says it must be oil of juniper, and not oil of juniper-wood.

Defendant: But it answers all the tests that are required.

Mr. Smith: I wish you would read the analysis before you make such an assertion as that.

Defendant: I have read it, and it says that it agrees.

Mr. Smith: In what?

Defendant: It says that it agrees in colour, odour, solubility, sp. gr, and taste.

Mr. Smith: Let me look at it. I did not read it as such.

The analysis was then handed up.

Mr. Smith: You see it distinctly says that it is made from oil of juniper-wood.

Mr. Bramall: Which is not in accordance with the requirements of the B.P.

Defendant: But it agrees in every other way.

Mr. Smith: But, as I have said before, if you ask for an article at a chemist's you expect to get the pure article.

Defendant: But the price!

Mr. Smith: Besides, this oil, according to the analysis, does not agree with the tests. I shall impose a fine of 3*l*, and 2*l*. 2*s*. costs.

County Court Cases.

Workmen's Compensation Act.

At Bow County Court last week, before Judge French, Q.C., Jane Thorpe brought an action against Messrs. Spencer, Chapman & Co., chemical manufacturers, Silvertown, under this Act for compensation for the loss of her husband. The deceased was scalded to death in a tank of cuprous liquid. His wages averaged 2*l*. 1*s*. 1*d*. per week, and since the fatality the widow had been allowed 1*l* per week by the firm. It transpired that an agreement had been arrived at by which the widow would receive 250*l*., but the insurance company stepped in and expressed their intention not to pay. It was then decided to take the case into court. Judgment was entered for the 300*l*. claimed, less 22*l*. already paid to the widow.

The Pharmacy Act.

Insufficient Labelling of a Poison.

At the Hull City Police Court, on May 12, Taylors' Drug Company (Limited), whose registered office is at Guild Street, Leeds, were summoned by the Pharmaceutical Society for a breach of the Pharmacy Act.

Mr. E. A. Laverack appeared for the prosecution, and Mr. Dodgson for the defendant company.

Mr. Laverack said the offence complained of was that the defendants, on April 25 of this year, sold, at their branch shop, 368 Anlaby Road, Hull, a certain poison—laudanum—without giving the address of the seller, as required by section 17 of the Pharmacy Act, 1868. That Act was passed for the protection of the public, and the section referred to appeared to be to enable any poisons purchased to be traced to the particular place where they were purchased. A man named Mitchenson, acting on the instructions of the Society, purchased from the defendants' shop in the Anlaby Road twopennyworth of laudanum. Mitchenson received a bottle, and it had on it a label bearing the words "Laudanum, Poison, Taylors' Drug Company (Limited)," and then the name of nine cities and towns, including Hull. He (Mr. Laverack) contended that this label did not give the address within the meaning of the section.

Mr. Twiss (stipendiary magistrate): In the event of anybody purchasing a bottle of laudanum with such a description, for the purpose of committing suicide, you say it would be impossible to trace it?

Mr. Laverack agreed. The proceedings had been taken by the Society in consequence of complaints which had reached them from various sources of the inability to trace these bottles.

Mr. Mitchenson and Mr. Moon (clerk to the Registrar of the Pharmaceutical Society) gave evidence.

Mr. Dodgson admitted that the laudanum was sold by a servant of the company for the company. He said it was a practice to stick on another label, giving the actual address of the shop, and in this instance it seemed to have been omitted by some oversight. His Worship said a conviction must ensue. There would be a fine of 10*s*, and costs.

Identifying an Assistant.

The adjourned hearing of this case, which came b re Judge Stonor at the Brompton County Court, London, n t a month ago, came on for hearing at the same cour n Tuesday.

Mr. T. R. Grey was counsel for the plaintiffs, and r. Germaine defended.

Mr. Grey, in reopening the case, reminded his Ho r that the case was one in which the Pharmaceutical So y of Great Britain sought to recover 5*l*. from Mr. Fred k C. Carter, an unqualified chemist's assistant engage t 19 King's Road, Sloane Square, London, S.W., bei a penalty alleged to have been incurred by the defenda n December 12 last by having sold a poison—nam y, morphine—and forming one of the ingredients of "Dr C s Browne's chlorodyne." The case had been adjourne n order that another assistant at the shop in question m t attend, and this assistant, Mr. William Long, would no e made a defendant.

Mr. John Partridge said he lived at Brixton, and w a commission-agent. On December 12 last, in accord e with instructions received from the Pharmaceutical Soc y, he went to 19 King's Road, a chemist's shop, and b e entering saw a man about 30 years of age behind the cou r.

Mr. Grey: Can you see him here to-day? Mr. Lo — stand up, please.

Mr. Germaine: That is most improper; the whole que n is one of identity.

The witness said Mr. Long was the assistant who se d him. He asked for a bottle of Dr. Collis Browne's ch - dyne and some liquorice-powder. He produced the b le which he received. He was told that the assistant's n e was Carter by an errend-boy whom he saw outside.

Mr. Germaine (cross-examining): You say that you a commission-agent; how came you to be buyer for the l r-maceutical Society?—I don't know. Yes; but I wan o know.—I was asked to do so, and I consented. Asked y whom?—By one of the clerks of the Society. You e asked to buy chlorodyne?—No; I was asked to buy a poi n. Was it the Secretary of the Society who asked you t o this?—No.

Counsel for the plaintiffs: But I object to this.

The Judge: Oh, no, you can go on. (To the witness.) d you seen that man Carter before you asked his name?—I d not seen him. Had you seen anyone?—Yes; but only f n outside.

Mr. Germaine (continuing): Do you suggest that it s Mr. Carter who sold the article?—No; I suppose the w g name was given to me.

Where did the assistant get the bottle from?—He to t from a drawer at the back of the counter.

Did he go into a back room first?—No.

The witness went on to say that he received a vouche r something of the kind, which he took to the pay-desk a w yards away. The bottle had been placed by the assis t upon the counter in the meantime. He did not g a receipt when he paid at the desk. He could not see w t was going on from the time he turned from the counte o go to the pay-desk until he returned to the counter. e received his instructions sometimes from the Secretar f the Pharmaceutical Society.

Re-examined: When he received the chlorodyne it s sealed up, and in that condition he handed it to Mr. Moo a clerk in the employ of the Pharmaceutical Society.

For the defence, Mr. Edwin Heard, manager at the p in question, said the business had previously belonged a Mr. Bishop, but had of late been carried on by the Sl e Pharmacy Stores, Limited. They had three assistants t the shop—Messrs. F. C. Carter, W. Long, and E . Richards. The last named was qualified, and supervised e sale of poisons and attended to the dispensing.

Cross-examined: He (witness) was not a qualified m , but had about 500 shares in the company. There wa Mr. Shadwick, who had 300 or 400 shares in the busin , and possibly the other shareholders only had one s each; he did not remember.

Mr. Partridge, recalled, stated that he purchased chlorodyne in question at about half-past 12 or 1 o'cl in the morning.

Mr. Evan William Richards said he was a quali chemist engaged at the Sloane Pharmacy Stores. His du

wer o do all the dispensing, and to supervise the sale of poisons. He did not remember any poisons being purchased fro he stores on December 12. When poisons were asked for e assistants came to him, and, if he did not serve the poisons personally, he supervised the sale; he either handed the ticles over himself or stood by at the time they were serd. The chlorodyne was kept in a room at the back of the spensary. An assistant, therefore, would be obliged to go rough the dispensary to get the chlorodyne.

Cross-examined: He was at the shop every day, but sometim left between twelve and one o'clock for dinner, and later for a. Persons coming in at such times for poisons were ask to call again.

Illiam Long said he never sold poisons without Mr. Richards's supervision. If persons asked for poison while Mr Richards was away from the shop they were told that the rticle was not in stock just then, and the order was dea with on Mr. Richards's return. It was the liquorice-pow er, and not the chlorodyne, which was kept in a drawer at e back of the counter.

l. Grey (cross-examining): Are you still engaged at the sto s?—Yes. Were you a month ago?—No. Why?—We I left of my own accord. Had you any particular rea n?—No. When did they take you back?—They did no ke me back. I went back after I saw my name mentioned in e newspapers. I went and saw Mr. Heard, and he sa th I could go back. Will you swear that none of those art les known as proprietary medicines are kept on the co ter?—All those scheduled as poisons are kept at the ba of the dispensary. Have you ever seen Mr. Partridge be e?—Yes; I saw him last time the case was heard. I sa ext to him, but he did not appear to see me.

r. Germaine submitted he had no case to meet.

e Judge: Yes, there is a case—it is a case of very co icting evidence. (Laughter) Mr. Long says he knows no ing at all about it. As to the witness Partridge, I must sa hat he appears to have very bad eyes and seems to be very un for such work. The Legislature says that a qualified m only is to be the seller of such poisons, and sell over th counter. It is quite clear Mr. Richards's evidence is that he w ld either hand the article over to the purchaser, or stand by while one of the other assistants did so. But it is clear th any unqualified man who sells a poison is liable. I find fo the plaintiffs against Long for 5*l.*, with costs of counsel a solicitor, but no witnesses.

Merchandise Marks Act.

White-lead.

A Southwark Police Court on May 17, Messrs. Tolhurst & S s, Tooley Street, S.E., oil, paint, and colour manufac ers, were charged with unlawfully applying a false trade d cription—viz., "Genuine white-lead, ground in oil"—to t invoice of 100 kegs of a pigment which contained 25 per c t. of barytes, with causing such false trade description to be inscribed on the kegs, and with unlawfully selling the s e. The prosecution was undertaken by the Board of Tade at the instance of the "White-lead Corroders' Trade Section" of the London Chamber of Commerce. The members of that section caused an order for 100 kegs of genuine white-lead to be given to the defendants for export to South Africa. The consignment was stopped, an analysis made, and the adulteration found as set forth in the summons. The defence was that "genuine white-lead" was a term adopted for South African trade, and differed from "warranted genuine white-lead." They admitted that it had been their practice to send adulterated white-lead to the Cape, but this was discontinued last October. The magistrate (Mr. Bros) held that there was no difference in the meaning of words as applied to either home or export trade, and fined defendants 20*l.* and 5*l.* 5*s.* costs. Notice of appeal was given.

Bankruptcies and Failures.

Re Walter Broxap, 351 The Cliff, Broughton, Salford, Analytical Chemist.

At Salford Bankruptcy Court, on May 15, application was made for this debtor's discharge. Mr. W. Broxap was formerly a student at Owens College. He subsequently became connected with the Dinting Soap-manufactory as analytical chemist, at a salary ranging from 25*s.* to 30*s.* per week, the condition being that he should take up 100 of the company's 100*l* shares, and pay 5*l.* upon them. The bankrupt was then under age, and the shares were taken up by his father, it being understood that no further call would be made. When the son came of age the father transferred the shares to him. Five calls of 1*l* per share were made, the first two of which were paid by the bankrupt, assisted by his father, but he was unable to pay the remainder. The company went into liquidation, and judgment was obtained against the bankrupt for 339*l.*, the amount of the unpaid calls, *plus* costs. The Official Receiver said the conduct of the bankrupt had been satisfactory. Application for a suspension of the discharge was made on behalf of the liquidator of the company, but Judge Parry said the bankrupt had no money, and it would be wrong to suspend an order for his discharge in the hope that the father might be persuaded to go to his help. The debtor had been a hard-working person, and for his position he was not really to blame. The case, he thought, was one of those contemplated by the Act, wherein exceptions were made, and the discharge asked for would be granted forthwith.

Re Charles Henry Menhinick, 6 Mount Pleasant Terrace and 23 Milbay Road, Plymouth, Chemist.

The public examination of this debtor took place at Stonehouse on May 15. In reply to the Official Receiver, debtor gave particulars of his failure and the causes to which he attributed it, as published in our issue of last week. The accident, which incapacitated him for about twelve months, was caused by his being thrown from a horse. He admitted that his failure might be also to some extent due to his being so much away from business attending markets. He did not think there was any truth in the allegation that he had neglected his business by going to public-houses. He was perfectly sober when thrown from his horse. He had never been away from business for weeks at a time. Replying to the Registrar, debtor said in his absence his business was attended to by an assistant and a pupil. He had been hunting only twice during the last four years, and denied that previously he was a well-known figure with the hounds. At one time he was chemist to the Plymouth Agricultural Association, and while at markets he had to ask farmers to have a drink, or he would not get orders, very few farmers being teetotalers. He kept no cash book or ledger. The Official Receiver said he was afraid there had been considerable laxity on the part of the debtor, but he did not see any advantage in the inquiry being kept open, and the examination was accordingly closed.

Re James Wm. Flintoff, 35 Whalley Range, Blackburn, Drug-store Proprietor.

At Blackburn on May 17, the examination of this debtor was resumed. The debtor, who attributed his difficulties at the previous hearing to a lawsuit brought against him by Mr. Thomas Beecham, said, in answer to the Official Receiver, that the amount of costs in that action was not included in his liabilities when the assignment was made. He could not account for the omission. The Official Receiver, recalling the circumstances of the action, put it to the debtor whether he had acted fairly to Mr. Beecham in selling other pills as his, and then leaving unpaid the costs of the action. Mr. Knowles, who represented the debtor, thought it scarcely fair to assume that the debtor had not acted straightforwardly. The action had gone by default, but, as the debtor had already explained, he by no means admitted that the pills were not Beecham's, and certainly denied having sold them knowing them to be other than what was represented. The Official Receiver said at any rate the Court had decided against him. Did he (the debtor) not think that Mr. Beecham should have been informed of the assignment, so that he might have shared with the other creditors in the distribution of the 5*s.* in the pound dividend? The debtor replied, Yes; he thought so. Mr. Knowles said he had reason to believe Mr. Beecham knew that the assignment was going to be made. The examination was again adjourned.

New Companies & Company News.

YOUNG'S BOTANIC BREWERY (LIMITED).—Capital 10,000*l.*, in 1*l.* shares. Objects: To acquire the business of a botanic-beer manufacturer carried on in Hope Street, Hanley, Staffs. The first directors are F. A. Salmon, R. H. Read, and W. Young.

LA CONSE MURPHY (LIMITED).—Registered in Dublin. Capital 1,000*l.*, in 1*l.* shares. Objects: To carry on business as grocers, wine and spirit merchants, druggists, &c. The first directors are La Conse Murphy and Henry Russell. Registered office, 73 Morehampton Road, Dublin.

BRIGHTON ENGINEERING COMPANY (LIMITED).—Capital 6,000*l.*, in 1*l.* shares. Objects: To acquire an invention for improvements in filling machinery for screw-stoppered bottles (for which provisional patents Nos. 13,483 and 1,783 have been granted to Samuel F. Lyle and Haselwood C. Adcock).

ADDERLEY & CO. (LIMITED).—Capital 60,000*l.*, in 1*l.* shares (30,000 5½ per cent. cumulative preference). Objects: To acquire the business carried on at Leicester as "Adderley & Co.," and to carry on the business of drapers and warehousemen, and (*inter alia*) dealers in provisions, drugs, chemicals, perfumery, &c.

MAGNET CHEMICAL COMPANY (LIMITED). — Capital 1,000*l.*, in 1*l.* shares. Objects: To carry on the business of oil, tar and grease refiners, distillers, manufacturing chemists, and utilisers of waste and dye products. Mr. Alfred T. Davies, Magnet Works, Marshgate Lane, Stratford, E., manufacturing chemist, is one of the subscribers. Registered without articles of association.

LONDON AND COLONIAL DENTAL COMPANY (LIMITED). —Capital 2,000*l.*, in 1*l.* shares. Objects: To carry on the business of dentists, dental operators, specialists, chemists, druggists, pharmacists, analysts, herbalists, patent and proprietary medicine manufacturers, druggists' sundriesmen, &c. The first subscribers (who all reside in Sheffield) include J. Dennell, 65 Abbeydale Road, dental mechanic, and several other persons of the name of Dennell.

GLOBE SOAP AND CHEMICAL COMPANY (LIMITED).—Capital 5,000*l.*, in 1*l.* shares. Objects: To acquire the business carried on as "The Globe Soap and Chemical Company," at the Globe Works, Middleton Junction, and at Britannia Works, Middleton, Lancs, by Frederick W. Ashworth, Harvey Marcroft, Alfred W. Pitt and Philip Ashworth, and to carry on the business of soap-boilers, tallow melters and refiners, chemical and other firelighter makers, chemists, druggists, drysalters, &c. Registered office, Britannia Mills, Middleton, Lancs.

A. G. SLATER & CO. (LIMITED).—Capital 500*l.*, in 1*l.* shares. Objects: To acquire the business carried on at 331 Union Road, Oswaldtwistle, Lancs, by Alfred G. Slater, and to carry on the business of chemists, druggists, drysalters, photographic dealers, seedsmen, patent-medicine vendors, oil and colour merchants, tobacconists, &c. The first subscribers are:—Alfred G. Slater, drysalter, Mrs. Ann Slater, C. A. Slater, clerk, and W. Slater, drysalter, of 331 Union Road, Oswaldtwistle; T. Slater, grocer, and Mrs. Slater, Accrington; T. Savage, trussmaker, Church. Alfred G. Slater is the managing director. Registered office, 331 Union Road, Oswaldtwistle, Lancs.

NORTH, HILL & CO. (LIMITED).—Capital 2,000*l.*, in 1*l.* shares. Objects: To acquire the business carried on as "The Hepatic Sauce Company," at 7 Park Lane, Liverpool, to adopt an agreement with Wm. Goodwin, and to carry on the business of chemists, druggists, drysalters, and manufacturers of and dealers in druggists' sundries, sauces, culinary essences, drugs, oils, &c. The first subscribers are R. K. Newton, 57 High Park Street, Liverpool, tea dealer; J. Brindle, 34 Dovey Street, Liverpool, bookkeeper; S. Godwin, 9 Church Road, Seaforth, sauce manufacturer; R. Bentzan, 29 Whitechapel, Liverpool, manufacturer; E. Mallett, 10 School Lane, Liverpool, stationer: J. Godwin, 8 Lime Grove, Seaforth, engineer; C. Wherly, 128 Rabe Lane, Liscard, chemist.

MARTIN (LIMITED).—Capital 5,000*l.*, in 1*l.* shares. Objects: To acquire the business carried on by Wm. Martin, at 40 Monks Road, 1 Melville Street, 48 Newland Street West, 105 Winn Street, and Vine Street, Lincoln, and to carry on the business of chemists, druggists, mineral water manufacturers, paint, oil and colour merchants. The first subscribers are W. H. Martin, 40 Monks Road, Lincoln, drug-stores proprietor; J. W. S. Smith, Lincoln, jeweller; M. T. Martin, 1 Melville Street, Lincoln, druggist's traveller; H. W. Taylor, Washingborough, Lincoln, chemist; F. W. Martin, 103 Winn Street, Lincoln, engineer; M. Martin, 40 Monks Road, Lincoln; J. C. Boyd, 30 Arngrove Road, Catford, S.E., traveller. W. H. Martin is the managing director. Registered office, Vine Street, Lincoln.

STAFFORD ALLEN & SONS (LIMITED).—Capital 50,000*l.*, in 1*l.* shares (25,000 5*l.* per cent. cumulative preference). Objects: To acquire and carry the business of drug-millers and oil-pressers and distillers carried on at 7 and 8 Cowper Street, City Road, E.C., and at Stafford Works, Long Melford, Suffolk, and Lyston, Essex, as "Stafford Allen & Sons," and the business of manufacturing chemists and growers of medicinal herbs carried on at Ampthill and elsewhere in Bedford as "George Allen & Sons," and to enter into an agreement with Edward R. Allen, Wm. C. Allen, Edward W. Allen, and Malcolm W. Allen. The first subscribers (each with one share) are:—E. R. Allen, W. C. Allen, E. W. Allen, and M. W. Allen, all drug-millers, of 7 Cowper Street, E.C.; Mrs. Ellen Allen, 185 Lordship Road, N.; Mrs. Mary A. Allen and Kenneth C. Allen, clerk, of 26 Highbury Quadrant, N. The first directors are Edward R. Allen, Wm. C. Allen, Edward W. Allen, and Malcolm W. Allen. Qualification, 500*l.* Remuneration, as the company may decide. Registered office, 7 Cowper Street, Finsbury, E.C.

HARROD'S STORES (LIMITED).—The directors have declared a dividend of 2½ per cent. on the ordinary shares in pursuance of the resolution to distribute quarterly dividends.

FULLERS'-EARTH UNION (LIMITED). — The directors recommend a dividend of 2½ per cent. on the preference shares (making 5 per cent. for the year ended March), and 3 per cent. on the ordinary shares, leaving a balance of 1,940*l.* to be carried forward.

BRUNNER, MOND & CO. (LIMITED).—The directors have declared a dividend of 30 per cent. for the year on the ordinary shares (against 25 per cent. last year), 7 per cent. on the preference shares, and are to carry forward 111,000*l.* or 30,000*l.* more than was carried forward last year.

LIEBIG'S EXTRACT OF MEAT COMPANY (LIMITED).—The directors will recommend at the next ordinary general meeting of the company, to be held on June 1 next, a distribution of a final dividend for the year 1898 of 15 per cent., free of income-tax, making, with the interim dividend of 5 per cent. paid on February 15 last, 20 per cent. for the year, being the same as paid last year.

IDRIS COMPANY (LIMITED).—A new issue of 20,000 4 per cent. debenture stock has been made to provide for the purchase of freehold premises in Liverpool, to erect stables and other buildings on the Camden Town property, and to provide for the purchase and development of business interests, the acquisition of which it is believed will be highly advantageous to the company.

W. J. BUSH & CO. (LIMITED).—The second annual general meeting of this company was held on May 12 at Winchester House. Baron de Bush presided, and, in moving the adoption of the report, congratulated the shareholders on the satisfactory condition of the company. The gross profit for the year had amounted to 67,463*l.*, or 3,512*l.* in excess of those of the previous year. After deducting interest on the debenture issue (5,000*l.*) and directors' fees (3,500*l.*), a net profit was carried to the balance-sheet of 19,619*l.*, as against 18,926*l.* in 1897. By a proposed addition of 3,500*l.* the reserve fund would be raised to 7,500*l.* Mr. Robert Wigg seconded the resolution, which was carried unanimously. On the motion of the chairman, seconded by Sir George Chubb, a final dividend at the rate of 8 per cent. per annum was declared, making, with the interim distribution, 8 per cent. on the ordinary shares for the year.

Westminster Wisdom.

THE DOCTOR'S DISPENSER.

I the House of Commons on Friday Major Rasch asked the ice-President of the Committee of Council whether the Exe tive of the General Medical Council had stated, in their rep to the Privy Council, what gronnds they had for considing that accidents dne to the employment of nnqualified disisers by medical practitioners were very rare; and, if not ould he ask that body what means they had of knowing the mber of accidents, fatal and otherwise, which resulted in ctors' surgeries from the employment of unqualified disisers.

S John Gorst: The infreqnency with which such cases are reped to the Privy Council tends to confirm the opinion of the eneral Medical Council that they are very rare, and the Pri Conncil have not therefore thought it necessary to ask the eneral Medical Council for any further information.

SALE OF FOOD AND DRUGS ACT.

INVOICES AS WARRANTIES.

T following is the completion of the discusn in the Standing Committee on the Sale of Food and rugs Amendment Bill on Mr. R. G. Webster's proposal tha nvoices should have the effect of warranties. We gave last eek the speeches of Mr. Webster, Mr. Long (the Presiden of the Board of Agriculture) against the motion, and of . Ascroft:—

M Kearley said he intended to support the amendment, hec se, while it was imperfect, its intention was to be appved. They had to realise the amendment as supplemed by the consequential amendments whereby the whsale dealer would be associated in the court with the retr, and would, if the retailer could satisfy the Court as to h own innocence, be made responsible for the adultera tior that was fonnd to exist. The right hon. gentleman said there wonld be legal difficulties in the way of that acti. But the right hon. gentleman himself was prepared for ese difficulties where there was an express warranty. Wh then was the difficulty as between an express warranty or a eneral warranty?

M Long said that in order to get over the difficulty now exing with regard to dealing with a warranty, the hon. mer's amendment proposed to make the giver of it a par to the proceedings. He had pointed out that that cou not be successfully carried out. It was ridiculous to sug st that the wholesale dealer, who had sold months bef perhaps, should be made party to a sale by a retail dea to a purchaser.

M Kearley maintained that it was perfectly possible to ma the wholesale dealer a party to the proceedings. The wh question was whether merchants should be bound by the invoices. Why should an invoice be regarded as not me ing what it said? (Hear, hear.) Under the Margarine Act n invoice had only to be produced to be held to be a wa nty. Why then should there be this anomaly between ma rine and other articles? To show how ridicnlons the pre nt position of matters was he mentioned that in a Gla ow case a retailer was fined by the Sheriff for selling bla pepper adulterated with 10 per cent. of starch, alth gh he had ordered and paid for pure pepper from the anufacturer, the Sheriff remarking that the grocer had sho too wide a charity in trusting to the honesty of other pe e without demanding a specific warranty; whereas in anc er case a man who was charged with selling as butter wh was really pnre margarine was able to get the case dis sed by producing his invoice of the article as butter. (Lghter.) The Government seemed to think that the cor ercial integrity—or the want of it—of this country req red merchants to be exonerated, unless they specially dec red an article to be what it was; but his opinion was tha t was contrary to the commercial interest and honour of e country that an invoice should be other than a wa nty. He hoped the Government wonld cease to be obs nate, and would allow an invoice to be what it ought to —a warranty of the article sold. (Hear, hear.)

. Parkes thought that any legal technical difficulty ou to be got out of the way. He had no doubt that an invoice should be a warranty. Mr. Long had used the argument that a wholesale dealer should not be prosecuted because his invoices were made out by boys. But they made the retail dealer responsible for the acts of his assistants, and unless they treated the wholesale dealer similarly their efforts to prevent adulteration would be ineffectual. Let them first declare that an invoice was a warranty, and they could subsequently provide the machinery whereby the giver of that warranty could be punished.

Mr. Brynmor Jones remarked that the attention of the Committee had not been drawn to the Sale of Goods Act of 1892, by the 13th section of which it was made an implied condition of every contract for the sale of goods that the goods should correspond with the description. If, therefore, impure goods were sold when the order was for pure goods, a retailer could sue for breach of contract. Why should a dealer be in a worse position simply because he had not written his order and got an express warranty? Unless the amendment were accepted they would be putting the wholesale dealer in a very anomalous position.

Mr. Heywood Johnstone had considerable sympathy with the amendment, but did not think it would work. Why did not the retailer insist upon a warranty now? An express warranty would be a good defence now.

Sir Charles Cameron said he would vote for the amendment, and hoped the Committee would not prolong the debate on the subject.

The Solicitor-General, in reply to a member, said that at present a retail dealer could institute proceedings against any merchant for breach of warranty. The amendment in its present form was very objectionable.

Mr. Beckett did not see why the law with regard to necessities shonld not be the same as the law with regard to luxuries. He recently won a lawsuit with regard to pictures because the Judge and jury held that an invoice was a warranty. (Hear, hear.) The goods should be what they were described to be; if they were not, the seller should be responsible. The object of the Bill was to protect the public more than to protect the retailer, who could look after himself; but in protecting the public they should take care they punished the real offender, and that was the wholesale dealer who gave an invoice which represented the goods to be other than they actually were. (Hear, hear.)

Mr. Doughty hoped the Government would accept the amendment in some form. It was generally agreed that it was not the small retailer who adulterated the goods. A man should not be made the victim for having innocently sold what someone else had adulterated.

The Committee divided, and the amendment was carried by 20 to 16.

Mr. Long moved an amendment that

> The person by whom a warranty or invoice was alleged to have been given should be entitled to appear at the hearing and to give evidence, and the Court may, if it thinks fit, adjourn the hearing to enable him to do so.

The amendment was agreed to.

Mr. R. G. Webster moved as a consequential amendment—

> If the defendant shall be discharged from the prosecution under section 25 of the Sale of Food and Drugs Act, the prosecutor shall be entitled to proceed forthwith against the person so giving the warranty as aforesaid; and if it be proved that such warranty was false, the person so giving the same shall be guilty of an offence under this Act and shall be liable to the penalties mentioned in section 14 of this Act.

Sir W. Honldsworth said he was informed that there was great difficulty in prosecuting a person for giving a false warranty if it was necessary to prove, as had been held, that the giver of a warranty really knew that the statements in it were untrue. He thought the attention of the Government should be given to that point.

Mr. Long replied that he was aware that the point required consideration, and that it would be examined with a view to amendments on report. He urged for a similar reason that the amendment before the Committee should not be pressed.

The amendment was withdrawn.

Mr. Kearley moved to omit from the 2nd subsection the words requiring a defendant to prove that he had taken reasonable steps to ascertain the accuracy of the statements

contained in the warranty or invoice before he could avail himself of a warranty or invoice from a foreigner as a defence. He believed that the clause as it stood would leave the door open to all sorts of fraud.

The Solicitor-General pointed out that the amendment would deprive a tradesman, who purchased from a foreigner, of a defence which would be open to him if he bought from a British trader. They guarded against abuse by requiring the defendant to take reasonable steps to ascertain the accuracy of the statements contained in the warranty or invoice. The effect of the amendment would be to create cases of real hardship, which would lead to an agitation for the amendment of the Act.

On a division the amendment was negatived by 25 votes to 4.

The clause was then agreed to. The remaining amendments were disposed of, but the Committee decided to consider the new clauses at their next sitting.

The consideration of the Bill was resumed and completed by the Standing Committee on Friday, May 12. Sir C. Cameron wished to add a clause exempting from any penalty under the Act an employer who could satisfy a Court that he had used due diligence to enforce the execution of the Acts, and that another person had committed the offence without his knowledge or connivance, the actual offender in that case being liable. Mr. Long opposed the addition of this clause. The corresponding clause in the Margarine Act was introduced in one of the final stages of its passage through the House of Lords, and he was sorry it was not rejected in the House of Commons. The fact that it found its way *per incuriam* into the Margarine Act was no reason why it should be introduced into this Bill. The master should be responsible for the acts of his employés. Ultimately the clause was rejected by 20 votes to 9.

Mr. Bartley succeeded in getting a new clause inserted defining "food" as including every article used for food or drink by man, other than drugs or water, and any article which ordinarily enters into or is used in the composition or preparation of human food, and should also include flavouring-matters and condiments; and Mr. Kearley was the author of a new clause making it an offence to obstruct or bribe an inspector in discharge of his duties. Mr. Kearley also proposed a clause, but failed to get it agreed to, giving power to inspectors to enter any private or public sale-room occupied or used by merchants, brokers, wholesale dealers, or other persons, and any public or private warehouse, factory, store, quay, shed, ship, or barge where food or drugs are offered for sale or deposited for the purpose of sale or carriage, and to purchase, seize, or procure samples of any such food or drugs; to purchase, seize, or procure samples of any food or drugs at the time of delivery or at any railway-station or other place during transit, or upon the premises of or elsewhere in the possession of any person for the purpose of carriage.

The other clauses discussed had reference to milk, and the Bill as amended was, amid cheers, ordered to be reported to the House.

Business Changes.

Notices of changes in the retail trade, and opening of new businesses, are inserted in this section free of charge, if properly authenticated.

TAYLOR'S DRUG COMPANY (LIMITED) have opened a branch at 55 Queen Street, Morecambe.

MESSRS. T. G. GIBBONS & SON, chemists, Manchester, have vacated their Market Street pharmacy for new premises in King Street.

PEACOCK'S OVALINE SOAP COMPANY (LIMITED) have removed from 203 High Holborn, W.C., to 53 King Street, Regent Street, W.

MR. THOMAS J. PRESTON, chemist and druggist, formerly of Chapel Allerton, has opened a new business at Roundhay, near Leeds. The fittings were supplied by Messrs. J. Curtis & Son (Limited), Leeds, and the shop-rounds by the Yo Glass Company.

MR. MARCO DEMARCHI DI DEMETRIO, the sole success of Messrs. Demarchi, Parodi & Co., a famous wholesa drug-house of the Argentine and Uruguay, announces that has reorganised the South American houses as follows:— Buenos Ayres the firm will be carried on under the style Soldati, Craneri, Tagliabul & Co.; at Montevideo under th of Roch, Capdeville, Jahn & Co.; and at Rosario under t style of Morchio, Saroli, Vassalli & Co. The buying house 9 Cité Trevise, Paris, will in future be styled Gabriel Farn instead of, as heretofore, Demarchi, Parodi & Co.

Personalities.

MR. CHAS. W. WINTER, chemist and druggist, has be elected a member of the Bethnal Green Vestry.

MR. THOMAS GREENISH has been, we regret to he confined to his bedroom for some time in rather a feel state of health.

PROFESSOR F. SHEPARD DENNIS, M.D., of the Bellev Hospital Medical College, New York, has been elected Fellow of the Royal College of Surgeons, London, a distin tion rarely given to those practising outside England.

THE first of the subjoined portraits is that of Herr Froell President of the German Apotheker Verein, who has be elected an honorary member of the Pharmaceutical Soci

of Great Britain. The second is that of Professor He Moissan, the distinguished Parisian chemist, who is also of the six elected.

MISS E. CARDOZO, formerly a student of the Calcu Medical College, has left Calcutta to proceed to Fort San man to open a female dispensary in that remote station Baluchistan. Considerable interest, remarks the *Engli man*, will be felt in the success of the Fort Sandem dispensary, as it is the furthest point to which the Count of Dufferin's Fund has yet reached.

THE MONTE CARLO ENGLISH CHEMISTS.—Mes Fitch, of Braintree, Ibbotson, of Wakefield, Knight, Folkestone, and Martin, of Truro, finished up their sea together by walking to Interlaken. The journey, with exception of one day, was accomplished under the m favourable climatic conditions. The route taken was Ventimiglia, Colle de Tenda, Cuneo, Turin, Valley of Ao Pass of St. Bernhard, Valley of the Rhône, and the Gem Pass. They were the first Englishmen to cross the Bernhard Pass, and were royally entertained by the monks the Hospice. The party was the first of any nationality cross the Gemmi Pass this season—a very arduous dangerous undertaking on account of the great amount snow which is still there. The party spent a few d pleasantly at Interlaken, where they left one of their c *frères* for the season.

Trade Notes.

Messrs. Bryce & Co., of 23 St. Mary Axe, E.C., have en appointed sole agents in South Africa for Vermite ect-powder, and also have acquired the sole right of pplying all the mail and steamship companies of London th the article.

The Folding Comb-case, illustrated in the advertise-nt of Messrs. Ayrton & Saunders, is a device which will mend itself to everyone who has occasionally to show ssing-combs to undecided ladies. It folds up into the m and size of a book, but when opened out exposes a ies of combs of all patterns, and varying in price from 6*d.* t 2*s.*

Heroine Hydrochloride is now made by the Bayer mpany (Limited), 19 St. Dunstan's Hill, E.C., as a soluble s of the morphine derivative heroine. It is neutral, easily ble in water, and suitable for subcutaneous injection. e hydrochloride is a white crystalline powder, and the e for subcutaneous injection is $\frac{1}{24}$ to $\frac{1}{12}$ gr. Messrs. penheimer & Co. make tablets of it.

he Patent Caution-Label Company have applied ir idea of roughening poison-labels (by means of rse sand) to dispensary-bottles. The labels are printed orange paper, the wording being in striking type, and broad rough surface at the bottom catches the hand and sts attention at once. Samples may be obtained from company at Upper Hagley Road, Birmingham.

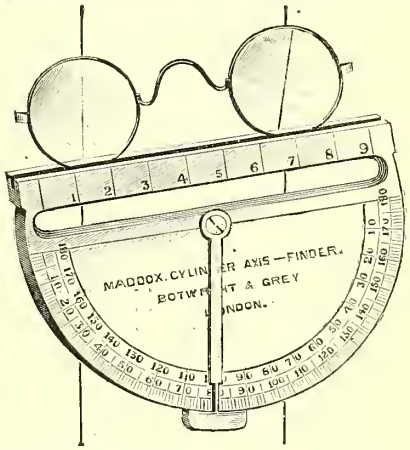
Messrs. Idris & Co. (Limited) are so well known as ufacturers of aërated waters that it is possible many mists may not be aware of their extensive business as ufacturers of syphons. As a matter of fact, they claim be the largest manufacturers of syphons, all parts of ch except the glass are produced entirely in their works. engraving is also carried out there by a special process. y make a prominent announcement in regard to their hon-manufactory in this number.

Photographic Labels.—Among some of the special ls produced by Messrs. Bowles & Co., label-printers, 44 46 Brushfield Street, Bishopsgate, E.C., is a set called "Camera" photographic labels, for the use of photo-phic dealers. The set consists of labels for developers, g-baths, fixing-solution, and mountant, the same design g adhered to in all the labels. In the top corner of the l the operation of taking a photograph is depicted, st at the bottom corner the photographer is shown ex-ing the developed negative. The labels are supplied er with name and address on, or as stock-labels.

r. Julien Tablet Prize-scheme.—Messrs. Edward & Co. (Limited), of the East London Soapworks, ounce a scheme of prizes which is to take effect from 1 next, and will be in operation until May 31, 1900. prize-scheme is to encourage retailers to sell the St. n polishing-tablet, to which we referred some weeks The first prize is 100*l.*, the second 50*l*, then follow ten *l.* each, and an unlimited number of bonuses of 1*l.* each. first prize goes to the retail shop in which is sold the est number of tablets during the specified period, and others will follow in numerical order, while 1*l.* prizes be given to any retailer who sells fifty gross or more of ablets during the period. It is specified that the price not be less than 1*d.* per tablet or 10*d.* per dozen, and sales must be genuine retail sales. Subscribers to The mist and Druggist are eligible to compete, and the ts of the competition will be announced in this journal on as possible after May 31, 1900. Any chemist who d like to know more about the matter should write to ompany.

"Squire" Specialities.—Messrs. Squire & Sons, the l chemists, 413 Oxford Street, W., have published a y list of their preparations and specialities for circula-to chemists and medical practitioners. It is interesting ote what scientific departments are now requisite in -class pharmacy, the following being the list prefacing rs. Squire & Sons' book:—"Bacteriological examinations ompetent pathologists, urine-analysis, water-analysis (chemical, microscopical, biological), blood estimated for red or white corpuscles, hæmoglobin estimated, radiography, and chemical analysis of all descriptions." The list of specialities extends to all departments of galenical pharmacy, and includes several surgical requirements. Amongst the latter we have examined a new aseptic sponge for tamponing the nares. The sponge consists of a disc of pure cotton-fibre, sterilised, and compressed so greatly as to be about $\frac{1}{12}$ inch thick, and when put into water it absorbs the fluid with startling avidity, swelling to fully an inch in thickness. The value of the sponge to surgeons may be imagined. The sponges are put up in boxes of a dozen. An allied article is the antiseptic vaginal capsule, which is made of a carbolised gelatin, readily soluble, and contains a plug of sterilised cotton for the medicament. The cotton is secured to a thread, so that it may be withdrawn from the body after it has done its work. Squire's chemical-food lozenges are one of the newest preparations which the firm have added to their list. These lozenges weigh less than a scruple. Each contains an average dose of the chemical food, and they are pleasant to taste. They are put up in white-metal boxes, and seem to us an article which should have a ready sale, especially as children like them.

Axis-finder.—Messrs. Botwright & Grey, 13 Spencer Street, Clerkenwell, E.C., have just placed on the market a useful cylinder axis-finder. The finder, which has been designed by Dr. E. E. Maddox, is easy to work, and we find



it indicates the axis of a cylindrical lens with accuracy. It is also of use for showing the geometrical and optical centres of the lenses. The method of using the finder is indicated in the sketch, but full directions are sent out with the instrument.

Deaths.

Davies.—On May 6, Mr. Sidney Edward Davies, chemist and druggist, Braintree. Aged 21.

Roe.—On May 6, Mr. Septimus Roe, pharmaceutical chemist, Salisbury. Aged 75. The deceased gentleman, who suffered from deafness, was knocked down by two runaway horses at Bemerton and killed.

Expert Urinanalysts do not require our "Practical Methods of Urine-analysis" (they probably know a great deal more than is in that little book); but the man who has just qualified or has started in business should get it from 42 Cannon Street, E.C., 1*s.* 6*d.*; by post 1*s.* 8*d.*

What Becomes of Rejected Tea?—All tea rejected by the Customs as unfit for consumption is now readily purchased in London for the manufacture of caffeine. The tea is ground with lime and asafetida, and delivered from Customs' supervision. It is then exported to the Continent, where the caffeine is extracted by means of fusel oil. So says the *Eastern Sentinel*, but the caffeine is made in England now.

Correspondence.

In writing letters for publication correspondents should adopt a concise, but not abbreviated, style. They are requested to write on one side of the paper only. Letters, with or without a nom-de-plume, must be authenticated by the name and address of the writer. Queries should be written on separate pieces of paper, and the regulations printed under the sections to which they apply should be strictly observed.

Notice to Correspondents.

[Letters to the Editor are held over until next week.]

Dispensing Notes.

Pill-excipient Wanted.

SIR,—I will be obliged for information as regards excipient for the following pills :—

Camphoræ	gr. xii.
Phenol	gr. iv.
P. capsici	gr. iv.
Ext. nucis vom.	gr. iv.
Excipient.	q. s.

Divide in pilulas xij.

Yours truly,
PILULA. (252/115)

[Use about 6 gr. of powdered curd-soap and enough kieselguhr to make a mass of pilular consistence.]

Directions to the Patient.

SIR,—In the following prescription, which way would you have written the label—four tablespoonfuls or a wineglass? I wrote the label four tablespoonfuls, which, from a practical way, I consider right :—

Pot. iodid.	℥ss.
Spt. ammon. arom.	℥j.
Tr. gent. co.	℥j.

Sig.: ℥j. ex aqua ℥ij. bis die post cibos.

And oblige,
PHŒNIX. (5/2)

[We would prefer to write "a wineglassful," as we hardly imagine a customer would measure out the water with any great degree of exactitude.]

Legal Queries.

We do not give legal opinions by post. Information regarding most legal matters in connection with pharmacy will be found in THE CHEMISTS' AND DRUGGISTS' DIARY, *and in "Pharmacy and Poison Laws of the United Kingdom," and Alpe's "Handy-book of Medicine-stamp Duty."*

1/28. *W. T.*—We do not see anything in your label likely to render it liable to medicine-stamp duty.

1/66. *Yorkshire.*—A distinct label attached to parcels of drugs, &c., stating that "this article is not guaranteed to answer the requirements of the British Pharmacopœia" would be a sufficient protection to the vendor in most prosecutions under the Sale of Food and Drugs Act. The label must, of course, be attached to the article before the purchase is completed, and it is not a protection if fraudulent intention is established, nor is it a protection in prosecutions under section 3 of the Act—that is, when it is alleged that articles of food are mixed with ingredients which will render the article injurious to health. It is a question whether it would be prudent on the part of any chemist to adopt such a label.

3/63. *J. B. D.*—An action for the protection of a title which cannot be registered as a trade-mark is often a very serious matter. You cannot depend fully on previous cases; the Court will require abundant evidence of an intention trade on your reputation, and also of actual injury to yo business, before an injunction will be granted. Consult t best lawyer in your city before taking any steps.

2/10. *M. S.*—Salt of sorrel is not a poison within t meaning of the Pharmacy Act.

246/47. *G. E. M.*—Sales of scheduled poisons must made by or under the direct supervision of a qualifi person.

4/39. *W. A. & Co.*—There is nothing to prevent a apprentice being bound to a firm if the deed is proper drawn. Provision, however, will require to be made for t retirement of any partner, as, if an apprentice is bound two people, he is not obliged to continue to serve one them. Moreover, an additional provision should be insert providing for the introduction of a new partner, so th the apprentice may be bound to continue with the ne firm. The assistance of an experienced solicitor should invoked.

132/11. *Quinine.*—An Indian company cannot avoid contracts by conversion into a fresh company, whi practically it does by registering in England. An assista engaged by the old company will be entitled to enforce h contract against it and recover his commission, damages in lieu thereof. But when the new company registered it will be wise to have a new agreement wi it if the service is continued, as in the absence there some nice points of law on priority of contract might ari Much, however, would depend on the wording of t contract, and also on the wording of the contract betwe the two companies in apportioning the liability betwe them.

5/30. *Alpha.*—A change of ownership of the reversi does not affect a notice to quit served by the previous own so that the new landlord will be entitled to take advanta of it. When the notice has expired the landlord can bri an action for ejectment, and he can also sue the tenant f damages for not giving up possession, and generally mal things very unpleasant. Application can be made by t plaintiff for summary judgment when a notice to quit h expired.

6/27. *Signa.*—There is nothing to prevent the moth joining with the father in the apprenticeship deed, and th can both jointly and severally covenant that the apprentic shall perform the duties, and the mother will be liable to th extent of her separate estate. We think it is proper th the father should be a party to the deed even though he ma not enter into any covenant at all, as he is the boy's leg guardian.

13/74. *Radix.*—We do not think that incorrect spellin of tartar (tartaar or tatarr, for example) would or shoul save you from a penalty if the court held that "tartar meant cream of tartar. The only safe way to label th article is by its proper name, or as "substitute for cream tartar."

10/29. *Manager.*—Nothing but a Chancery suit ca decide whether the expression "pink pills for pale faces would be regarded as an infringement of the rights acquire by the proprietors of Dr. William's pink pills. No previou case can be quoted as a precedent; each case is discussed o its own merits. On the one hand the court would agre that nobody has a right to monopolise any part of th common English language; on the other, it would conside whether by the use of such a phrase you were seeking t acquire a part of the trade-reputation which some one el had made at great cost.

13/65. *Acetone.*—Decisions in regard to the sale of dilute acetic acid as vinegar have varied, but the principal one which was given by the Recorder of Birmingham at th Birmingham Quarter Sessions, July, 1893, in the case o Davis *v.* Kirby, was to the effect that diluted acetic acid was not vinegar. Of course there is no doubt in case when "malt vinegar" or "white-wine vinegar" is asked for Diluted acetic acid should be sold as such, or as distilled wood vinegar.

Miscellaneous Inquiries.

We reply to subscribers and their employés only upon subjects interest to other readers generally. When more than one query is sent write each on a separate piece of paper. When a sample accompanies a query full particulars regarding the origin and use of sample must be given, and it must be distinctly labelled eries are not replied to by post, and those sent anonymously disregarded.

tice to erists.

/51. *W. G.*—**Platinum-toning for P.O P.**—Make up a ck solution of potassinm chloroplatinite by dissolving the ntents of a 15-gr. tube in 15 dr. of water; then to make oning-bath which is used in the same way as the ordinary d-baths, 2 dr. of the stock solution are diluted with 8 oz. water and acidulated with 2 drops of nitric acid. Very ck tones are obtained by using a mnch stronger bath. e fixing-bath which follows is of the usnal strength, but ne authorities lay much stress on keeping it alkaline by ans of ammonia.

2/68. *American* has passed the Pharmaceutical Preinary examination, has served a three-years' apprenticep to the drug-trade in England, and now wishes to go to United States. How will he be able to qualify as an erican pharmacist when he gets there? He should not to the United States without the Registrar's letter inming him that he has passed the Preliminary examinan, a statement from his apprentice master that he has ved three years, and several testimonials as to character. l these are required by the State Boards of Pharmacy ich grant certificates after examination entitling the lder to keep open shop as a pharmacist in the State. American's" best course when he gets out to the United tes is to get a sitnation in a pharmacy, so that he may come acquainted with American methods and the U.S P. the course of six months he will be able to decide ether he will (1) take the State Boards' certificate (the ier course, the examination not being so stringent as the nor, and requiring no collegiate curriculum), or (2) enter college and take a diploma, this requiring two years at college, bnt only part-time each day. When he is a l-fledged American pharmacist he may write to THE EMIST AND DRUGGIST telling us all about it for the nefit of others who may be thinking of going westwards. may say, however, that American pharmacy is as hard make a living at as is British pharmacy.

11/15. *Phenazone.*—The Apothecaries' licence, by which s meant the diploma of the Society of Apothecaries, ndon, is a registrable medical qualification which can ly be obtained after five years' study in a medical school d passing the examinations of the Society. You will find l particulars in our last Educatianal number, September 3, 98.

12/73. *E. E. R.*—**Concentrated Weed-killer** is made on e same model as the formula given in the *C. & D.*, May 13, ge 781, but to make of the strength (1-50) you will ed to use 1 lb. of arsenic and 1 lb. of caustic da, and 1 gal. of water. If the solids will not dissolve ter boiling for some time add more water, and when ssolved evaporate to the required bulk.

12/69. *Cymro.*—(1) For sticking glass slips on to plateass windows white-lead made into a paste with dammarrnish is generally used. Another cement which is excellent r this purpose is made by mixing 1 oz. of calomel with oz. of fresh mucilage. (2) **Chimney-cleaning Powder** is mixture of salt (2) and sulphur (1), or simply coloured lt.

258/34. *Jumbo* asks:—"Is the **Egg-julep** in 'Pharmautical Formulas' one that would be safe to put up—*i e.*, ould it keep and be satisfactory in use?" [We have found o. 2, page 111, to be so. We prefer saffron to other louring.] (2) "What would you advise as a stock livernic? No. 3 ('Pharmaceutical Formulas,' page 551) is ot elegant in appearance, as it goes very muddy. I am raid to filter lest it should take away the activity. Would one of the glyc. pepsin acid mixtures be better? Whose make is 'B. & R.' ('Pharmaceutical Formulas,' page 557)?" [No. 3 is as good as any after filtration, the deposit being simply extractive. The mixture should be made up with water to 8 oz., but for general retail-purposes No. 2 is the best mixture. Pepsin can do no possible good in liver-trouble, although it is often put in counter-specialities. But you may say "liver" when you mean "dyspepsia"; if so, No. 2 stomachic mixture, page 556, is exactly what you want. B. & R. = Bullock & Reynolds.] (3) **Skin-cream.**—"Would you advise one of the zinc oxide or simply an almond emulsion? Bnttermilk-lotion strikes one as a good name, but I fancy a zinc oxide wonld be preferred." [A zinc-lotion is merely a protective—*i e.*, face-powder put on wet, and the liquid cools the skin. An almond or fatty emulsion is corrective, soothing, and slightly protective. You may have both together, as in No. 1 almond-lotion, page 10 (but without hyd. perchlor.). For general use you cannot beat the lanoline-milk on the same page, adapting the perfume to your own taste. We have heard excellent accounts of this. Please note that we can never guarantee insertion of replies "next Friday."]

5/23. *A. F. C.*—Why not refer to the index of THE CHEMIST AND DRUGGIST? You surely do not expect us to repeat the reply to your question.

252/72. *R. Nic.*—(1) **Hair-restorer.**—The usual composition of such a preparation is—

Lead acetate	ʒiss.
Milk of sulphur (calcareous) ...	ʒiij.
Glycerin	ʒx.
Perfume	q.s.
Water to	℥x.

(2) For suggestions as to remedies for indigestion you should consult "Diseases and Remedies," page 58, or "Pharmaceutical Formulas." See reply to "Jumbo."

255/32. *Perfume.*—It is melted paraffin-wax that is brnshed round the stoppers of bottles of perfume to prevent evaporation.

Information Supplied.

Dispensing Wrinkle.—*Porcelain* (4/56) writes:—"Many dispensers will have noticed the annoying electric disturbances of the particles of salol or tannigen when they are rubbed in a mortar and scraped out with a spatula. I find that if the spatula is dipped in powdered French chalk it effectually prevents the powder adhering to it."

Artificial Lemon-juice.—*Mr. Alfred Roe* (Geneva) (6/20) writes:—"In your issue for April 29 I observe you give a formula for 'artificial lemon-juice.' I now beg to give you my formula, which I have used during the past six years:—

Acid. citric.	ʒij.
Tr. limonis recent.	ʒiss.
Aq. ad	℥iij.

To be dispensed cloudy.

The advantage is that there is no filtering, and a turbid mixture more like fresh lemon-juice is produced."

Information Wanted.

The Editor will be obliged for replies to the following from any who can furnish the information.

221/22. Importers or dealers in Indian lime.

14/44. Address of Alexander Price & Son, manufacturers of toilet-paper. [? Pirie, Aberdeen.]

9/54. What is Augean fluid? It is ordered diluted with water in a dog-lotion.

17/5. Who makes or supplies in wholesale quantities, liquid-blacking bottle-corks with wire and sponge attached?

14/11. Name of a wholesale firm of photographic dealers who send out cameras on sale or return, and at the end of the season take back unsold stock?

Trade Report.

The prices quoted below are the bottom prices obtained for bulk quantities by importers and manufacturers, who do not supply retailers. They are in many cases exclusive of various charges.

42 Cannon Street, London, E.C.: May 18.

THE produce markets this week have been unusually slack, and are practically closing for the holidays. In quinine the tendency is easier, owing to the operations of bear speculators. Makers, however, report a fair consumptive demand, and buyers are freely taking delivery off contract. Oil of star-anise has a tendency to droop, but oil of cassia has slightly improved, and the same may be said of menthol. The other alterations are as follows:—

Higher	Firmer	Lower
Acid, citric	Fenugreek	Cream of tartar
Ammonia sulphate	Menthol	Ginger (Cochin)
Camphor (refined)		Oil, peppermint (HGH)
Caraway-seed		Oil, star-anise
Oil, Chaulmoogra		Pimento
Oil, turpentine		Quinine
Saffron		

The following drugs have arrived in the port of London and other large ports in England from May 11 to 17, both inclusive:—

Beuzoin (Saigon), 7; buchu, 38; camphor, 2; cardamoms, 7; castor oil (E.I.) 157, (Ital.) 15; chamomiles, 5; chiretta, 29; cinchona 91, (E.I) 359; cocaine (crude), 7; cod-liver oil, 103; colocynth, 9; galls (Chinese), 50; gentian, 147; gum arabic, 303; gum sandarac, 27; gum thus, 175; honey 46, (N.Z.) 150, (Calif.) 10; insect-powder, 10; ipecacuanha 2, (Cartagena) 15; menthol, 67; nux vomica, 119; oil, eucalyptus (Aust.), 107; opium 36, (Indian) 30; quicksilver, 50; quinine, 18; sandal-wood, 901; sarsaparilla (Lima), 28; senna, 48; vanilla (Mauritius), 10; vermilion (Chinese), 12; wax, bees' 67, (E.I.) 35, (Aust.) 15; wax (Japanese), 25.

Heavy Chemicals.

[*these prices are for other market-centres than London*]

The late fair inquiry for heavy chemicals continues and the market generally is steady. Orders for export are more numerous, especially in the Tyne and Clyde districts, and the home-demand keeps steady.

ALKALI PRODUCE.—Bleaching-powder is in active demand and price very firm, with, if anything, an advancing tendency, although at present it stands unchanged. Soda crystals are in brisk demand also, with upward tendency. Saltcake is somewhat quieter, at about 27*s*. to 28*s*. per ton, free on rails in bulk. Yellow prussiate of potash scarce and very firm, at unchanged rates.

SULPHATE OF AMMONIA maintains an advancing tendency and is scarce. Present figures are about as follows:—Beckton and Beckton terms, 12*l*. 5*s*.; London and Leith, 12*l*. 10*s*.; and Hull, 12*l*. 5*s*. to 12*l*. 7*s*. 6*d*. Exports from Leith last week amounted to 506 tons.

GREEN COPPERAS a shade easier but in fair demand, at 42*s*. to 43*s*. per ton, f.o.b., Liverpool.

BICHROMATE OF POTASH.—English and Scotch deliveries, 3½*d*. per lb. less 6 per cent. Export, 3¼*d*. per lb. net, f.o.b., Glasgow.

BICHROMATE OF SODA.—English and Scotch deliveries, 2¾*d*. per lb. less 6 per cent. Export, 2½*d*. per lb. net, f.o.b., Glasgow.

ZINC SALTS maintain a firm tone. Sulphate now stands at 7*l*. 12*s*. 6*d*. to 7*l*. 15*s*., and chloride solution at 7*l*. 10*s*.

TIN CRYSTALS also show an advance to 7⅝*d*. per lb.

ARSENIC scarce, at 19*l*. 10*s*. per ton ex ship Garston.

LINSEED AND COTTONSEED CAKES are in easier demand; prices, however, keep fairly steady. Linseed, 95 per cent. pure, 7*l*. 5*s*.; oilcakes, 6*l*. 6*s*. 3*d*. to 6*l*. 7*s*. 6*d*.; cotton, seconds, 4*l*. 15*s*. to 5*l*.; and best makes, 5*l*. to 5*l*. 2*s*. 6*d*.

PHOSPHORUS in fair demand, at unchanged figures. Wedges, 2*s*., and sticks, 2*s*. 1*d*.; amorphous, 2*s*. 8½*d*.

SALTPETRE steady. British refined barrels, 20*s*. 6*d*.; and kegs, 21*s*. 6*d*. German barrels, 18*s*. 9*d*.; kegs, 11*s*. 6*d*.

Liverpool Drug-market.

Liverpool, May 17

CASTOR OIL.—The market has been characterised by steadin for good seconds Calcutta, the price still being quoted at 2⅝*d*. 2 15/16*d*. First pressure French has eased off slightly, and sa have been made at 2 13/16*d*., and perhaps a shade less to arr would be taken. Second pressure is held for 2⅝*d*. Madras g seconds 2¾*d*., but stocks are small.

NIGER CAPSICUMS are firmly held up to 32*s*. 6*d*. for fine brig and Sierra Leone chillies are in small supply; but buyers holding off, and refuse to give 42*s*. 6*d*. for fair bright.

BEESWAX.—An arrival has taken place, but importers show signs of giving way in their pretensions, and 7*l*. to 7*l*. 15*s*. is t value of fair grey to fine Chilian. Nine packages Sierra Le sold at 5*l*. to 6*l*. 10*s*., and another lot of 11 packages Sierra Le realised 5*l*. 10*s*. to 6*l*. 5*s*., while 7 packages Bissao reali 6*l*. 12*s*. 6*d*. per cwt.

GINGER, AFRICAN.—The new crop continues to arrive stead and 263 packages were sold from the quay at 17*s*. 3*d*.

GUM ACACIA.—There is more or less inquiry on the market, l chiefly of a retail character. Sales are reported at 69*s*. for g medium Soudan sorts, and the range of values at present on t market are from 65*s*. to 72*s*. 6d.

SULPHATE OF COPPER is very firm at 26*l*. 10*s*. per ton, w every indication of a further upward movement.

CANARY-SEED is moving off slowly, about 250 bags having b done at 25*s*. 6*d*. per cwt.

German Market.

Hamburg, May 15

Our drug-market has not changed much since last week, a business is limited to a few articles only.

CITRIC ACID is again firmer, at 275m. per 100 kilos.

CAMPHOR.—Refined is very firm, but does not show much bu ness; the factories ask 370m., while second-hand holders sell 347½m. per 100 kilos.

CONDURANGO-BARK is firm. A small new parcel has arriv To-day's quotation is 75m. per 100 kilos.

ERGOT OF RYE shows a very strong market. The stocks a supplies remain small, while the demand continues good. Sou quality is held for 255m. per 100 kilos.

IPECACUANHA.—Unchanged, at 19m. per kilo. for Cartagena.

MENTHOL is a little firmer, at 14m. per kilo.

QUININE is quiet, with second-hand offers at 45m. per kilo.

WORMWOOD is firm, at 42m. to 44m. per 100 kilos.

WAX (JAPAN) is quiet and easier, at 58m. per 100 kil Carnauba is well held, at 82m. to 150m. per 100 kilos., accordi to quality.

COD-LIVER OIL is very depressed, at 56m. per barrel.

CASTOR OIL.—Slow of sale, at 51m. per 100 kilos. for fi pressing, spot, and forward at 49½m. to 50m.

JAPAN PEPPERMINT OIL.—Firmer, at 6¼m. per kilo.

RUSSIAN ANISE OIL is 13m. per kilo.

The arrivals in Hamburg up to May 17 include camphor, 3,3 cases and 67 tubs, galls, 158; musk, 2; castor oil (Fr.) 31 cardamoms, 54; gum arabic, 75; sarsaparilla, 12; and conduran 29 bales.

American Market.

New York, May 9.

With the approach of the warm season business is quieti down, and trading is largely confined to the seasonable spe alities.

ALOES (CURACOA).—New-crop is coming in, and values a easier, 3½c. being generally asked, but less will be accepted. C stock is held at 3¾c. to 4c.

CAMPHOR is firmer, in sympathy with foreign markets. Holde quote 45c. in barrels, and 45½c. in cases. The demand is i creasing, and higher prices are anticipated.

CASCARA-SAGRADA BARK is fractionally lower, in consequen of keen competition. Last year's bark can be bought at 6½c., b holders will not shade prices of older bark.

CASCARILLA-BARK is very scarce, and 7½c. to 8c. is now t lowest figure for prime quality.

CITRIC ACID.—Domestic manufacturers have advanced pric 1c. per lb., and now ask 38c. Foreign acid can still be boug at 36c.

ERGOT has moved upward under the influence of foreign a vices. Sales have been made at prices varying from 22c. to 2 and holders now ask 28c. to 30c. for German, according to grad Spanish is also higher, 30c. to 35c. being asked.

GOLDEN-SEAL (HYDRASTIS) is very scarce, and the spot stock firmly held at 75c.

HELLEBORE-ROOT (WHITE).—Powdered is scarce and high 9c. to 10c. being asked.

IPECACUANHA (RIO) is strong at the recent advance, $3.50 $3.75 being the ruling quotation.

ENTHOL is weak in the absence of demand; $2.10 will buy.

IUM continues dull and weak. Little business is passing, and es are nominal at $2 90 to $2.92½.

ININE is still quiet, and sales are unimportant. Manufac- rs continue to quote 36c., but the general anticipation is that op will occur, consequent on the result of the last auctions. Sn l hands quote 29c. to 30c.

RIS is weak, and Florentine can be bought at 6½c. to 9c., rding to grade. Verona is dull at 5c. to 7c. Supplies are ndant.

RSAPARILLA (MEXICAN).—Stocks are somewhat depleted, and ers now ask 11c.

NZOIN is offered sparingly, in view of scarcity. Sumatra, e, is held at 45c., ordinary grades being quoted at 25c. to 35c.

LSAM TOLU.—Quotations show a decline to 30c.

AP is firmer, and 10c. is now the lowest figure at which good is obtainable.

Cablegrams.

AMBURG, May 17, 2 10 P.M.:—Citric acid is an advanc- market at 295m. per 100 kilos. Ergot of rye is also er, to-day's quotation for sound being 255m. per 100 kil. Refined camphor in second hand is very firm at 348m. 00 kilos.

* * * *

RGEN, May 18, 11.35 A.M.:—There is hardly any pro- to report in the Finnmarken fishing, the catch since week being only 223,000 cod, bringing the total for the to 27,258,000, as compared with 33,713,000 last year, to a yield of 27,321 barrels of crude oil, against 4 barrels. The market is appreciably firmer, and the of refined oil has advanced to 54*s.* per barrel, f.o b.

* * * *

W YORK, May 18, 3 24 P.M.:—Business is fair this week. ed camphor has advanced to 46c. per lb, and citric acid a strong position at 41c. Serpentary root is scarce, at er lb., and jalap has become firmer, the closing price being Rio ipecac. is easier, now $3 40 per lb. Ergot con- s to grow firm, and credence is imparted to the Hamburg ts; German ergot being 29c. per lb. Coca-leaves are cing, and nothing is to be had under 20c. per lb., but s the common quotation. Owing to failure of the ornian honey-crop new stuff is going up in price.

ID, CARBOLIC.—Firm, at 6¾*d.* per lb. for 39° to 40° C e crystals, and 6⅜*d.* for 34° to 35° C. Crude 60 per 2*s.* 1*d.* gall., spot; May-June delivery, 2*s.* 0½*d.* to 2*s.* l.

ID, CITRIC.—The makers have advanced their quota- o 1*s.* 5*d.* per lb., but only sell small quantities at this ; for forward delivery 1*s.* 4½*d.* has been paid, but it is lt to get at this figure now. The quotation for con- ated lemon-juice is 19*l.* per pipe, c. and f. terms, and rticle appears to have been "cornered" in Sicily for me being.

ID, TARTARIC, has a firmer tendency, though quotations s last week. It is said that consumers are buying ic in place of citric at present prices.

ONITE-ROOT is scarce, at 47*s.* per cwt. in quantities for German root.

ISE, STAR.—In small supply, with offers at 100*s.* per cwt. od.

exports from Wuchow rose from 152,420 lbs. (5,108*l.*) in to 919,467 lbs. (15,024*l.*) in 1898.

ROWROOT.—Quiet. A few lots of good St. Vincents at 4½*d.* per lb.

NZOIN.—Sumatra was in small supply, the offerings ding a small quantity of storax-scented gum, well d with white almonds, which sold at 6*l.* 7*s.* 6*d.* per subject to 6*l.* 10*s.* per cwt; other bids for fair seconds refused. The brokers of the extra-fine parcel offered at st sales are still holding out for 11*l.*, and have refused 5*s.* per cwt. There are several would-be buyers after arcel, and it is likely to be snapped up any moment. Siam sold in auction, fine bold agglutinised pale ds being bought in at 18*l.* to 20*l.* per cwt.; fair bang all sold, at 50*s.* to 51*s.* [The foregoing was rtently omitted from our report of last week's drug- ons.] Fair seconds have been sold this week at 6*l.* 5*s.* wt., up to 9*l.* 10*s* for good.

The shipments from Singapore for the first three months of the year have been (in piculs):—

—	Great Britain	Continent	United States
1899	166	182	14
1898	319	513	—
1897	175	997	—
1896	1,014	447	—
1895	754	642	—
1894	234	—	—

On April 13, 29 piculs were shipped to London. The shipments from January 1 to April 11 amount to 195 piculs to Great Britain, 182 piculs to the Continent, and 14 to U.S.

BENZOLS.—Dull of sale, at 7*d.* for 90 per cent. and 7½*d.* per gall. for 50 per cent.; pure is 1*s.*

The operations of the benzol-ring on the Continent have caused consumers such anxiety that representatives for Austria, Holland, Belgium, Denmark, and Switzerland met their German *confrères* in Hanover ten days ago, and considered how they should act. A committee was appointed to look after the interests of the consumers.

CAMPHOR.—On Friday last English refiners advanced prices by ½*d.* per lb, now 1*s.* 8*d.* for bells and flowers; 4, 8, and 16 oz. tablets 1*s.* 9*d.*; 1 and 2 oz. 1*s.* 10½*d.*; ½ oz. 1*s.* 11*d.*; ⅓ and ¼ oz. 1*s* 11½*d* per lb., in ton lots. German refined is offered on this market at 1*s.* 7*d.* per lb., c.i f., for ton lots, without engagement, but there is little to be had at this figure. The crude market is quite inactive, and no business has transpired. Hong-Kong advices, dated April 14, report a weaker market owing to heavy arrivals. Quotations for *Formosa* were $63 00 to $68.50; sales for the week 300 piculs.

CHIRETTA.—A small business has recently been done at 3¾*d.* per lb. A large arrival from Bombay is to hand this week.

CINCHONA.—The shipments from Ceylon for the weeks ending April 18 and 25 were 38,503 lbs. and 32,443 lbs. respectively, and from January 1 to April 25:—

	1899	1898	1897	1896
Lbs.	239,719	284,371	209,745	255,614

The auctions to be held in Amsterdam on June 8 will consist of 4,342 bales Ledgeriana and hybrid, and 500 cases and 614 bales Succirubra. The stock in first hand at Amsterdam, on May 17, consisted of 2,228 packages Government and 5,800 packages private bark, including the quantity to be offered in the above auctions.

CREAM OF TARTAR.—Easier. Ordinary white crystals are about 1*s.* per cwt. lower on the week, viz. 73*s.* and 75*s.* for powder, while 95 per cent. powder is 77*s.* 6*d.* per cwt. The exports from Bordeaux in 1898 were 32,303 cwt.

DRAGON'S BLOOD.—On April 8, 71 piculs left Singapore for the United States, and on April 13, 17 piculs to London. The total shipments to London this year have been 92 piculs.

GALLS.—Sales of Persian blue continues to be made at 62*s.* 6*d*, and green, at 56*s.* per cwt. Importers are now asking higher prices, which at present are not obtainable. Small lots of *Smyrna* blue have been sold at 57*s.* 6*d.* per cwt.

GUM ACCROIDES.—In auction to-day 10 bags of fair quality sold at 13*s.* 6*d.* per cwt.

GUM ARABIC.—There were ten catalogues in auction to-day, offering together 2,325 packages of all kinds. The business consisted almost entirely in the broker ascending the rostrum, giving the limits, and descending again as quickly as possible. The last catalogue was finished well within the hour.

Fine picked Turkey sorts were bought in at 110*s.* per cwt.; first-class sea-damaged sold at 70*s.*; fair pale sorts, bulked, 68*s.*; good siftings mixed with bold pieces, 27*s.*; sea-damaged blocky, 20*s.* Fair business has been done in Aden. Two hundred packages were offered in auction, but 140 of these were sold privately at steady prices. Publicly, good pale sold at from 41*s.* to 43*s.*; dark sorts, 20*s.* subject; and siftings, 15*s.* East Indian scarcely sold. A few cases poor yellow went without reserve, at 22*s.* 6*d.* to 23*s.*;

dark Madras block, 13*s.*; siftings, 10*s.* Twenty-seven cases fair Amrad sold at 25*s.* to 26*s.*; good Mogador Amrad was bought in at 38*s.* Persian, Bussorah, Ghezirah, white Mogador, Pondicherry, and Kurrachee, were all neglected Australian, fair sorts, sold at 22*s.* 6*d.*; blocky, 6*s.* to 9*s.* Privately, poor Ghatti sold at 14*s.* to 16*s.*; and low pickings, at 7*s.* per cwt. Small sales of unworked insoluble are reported at previous prices.

GUM GUAIACUM.—Common and drossy block has been sold at 6*d.* per lb.

GUM MYRRH.—Since the drug sales a small business has been done in good Aden picked at 70*s.* to 75*s.* per cwt.

GUM OLIBANUM.—Privately good pale drop has been sold at 40*s.* to 45*s.* per cwt.; and common drop, 25*s.* to 26*s.* Garblings are inquired for, but scarce. In auction 7 cases sold out of 560 offered. Dark rough drop, 25*s.*; woody sorts, 17*s.*

GUM SANDARAC.—Four packages of fair pale sea-damaged sold in auction without reserve at 45*s.* per cwt. Fine pale tears were bought in at 53*s.*

INSECT-FLOWERS.—Reported firmer from Trieste. The crop prospects for the new appear to be good in most districts. Closed flowers are offered at from 90*s.* to 110*s.*, c.i.f., according to holder.

ISINGLASS.—At auction, on Tuesday, 516 packages were catalogued, of which 192 sold at a decline of 1*d.* per lb. for Brazilian; Penang was mostly held for higher prices, and Bombay leaf was steady at slightly firmer prices, while pipe was rather easier.

KOLA.—A small business has been done in dried *African* at 1½*d.* per lb.

MENTHOL has a firmer tendency at from 6*s.* 9*d.* to 7*s.* per lb. spot.

MORPHIA.—A fair business is being done, both in the home and export trade, for prompt delivery at unchanged rates. Wholesale buyers who are short of stock are only buying from hand to mouth in anticipation of lower prices for contracts later.

OIL, ANISE (STAR).—Quiet. At the close of last week prices slightly receded ,business being done at 5*s.* 10½*d.* per lb. spot, and sellers for May-June steamer at 5*s.* 7½*d.*, c.i.f., and to-day the above figures hold good.

OIL, CHAULMOOGRA has been advanced to 4*s.* per lb. on the spot owing to increased demand.

OIL, PEPPERMINT.—American HGH has been sold this week at 4*s.* 6*d.* per lb. spot in five-case lots, and 4*s.* 7*d.* for less quantities. Japanese, Kobayashi brand, 40 per cent., is 5*s.* c.i.f.

OIL, TURPENTINE.—The market opened on Monday at 33*s.* 4½*d.* per cwt. spot, but before the day closed there was an advance of 7½*d.* to 9*d.* spot; to-day's price is 33*s.* 9*d.*

OPIUM.—The recent activity reported in our last has not been sustained, beyond a little demand for medium *Persian*, at 10*s.* 6*d.* per lb. Soft-shipping is quiet, with retail sales at easier rates.

SMYRNA, May 5.—A large exporter to Great Britain has bought 26 cases of Karahissar talequale this week at a fresh reduction—viz., 7*s.* 5*d.* per lb. Upon this news becoming known other large buyers appeared, and bid 7*s.* 4*d.* for round lots, which was refused. Previous to the above transaction a sale of 11 cases Karahissar had been made at 7*s.* 8*d.* The opium-sowings remain in an exceptionally good condition owing to frequent rains. In the Smyrna neighbourhood the opium-plants have commenced to flower, and an abundant crop is assured if the present favourable weather continues.

CONSTANTINOPLE.—A little firmer tone has prevailed during the past week, although the only sale is a small lot of three cases Zilles at the parity of 8*s.* 6*d.* per lb. f.o.b. The new crop, so far, continues favourable, but the yield will not be so large as some parties make out.

SMYRNA, May 12.—Buying here during the past week has been chiefly on American and English account, but the total transactions amount to only 25 cases, sold at a parity of 7*s.* 5*d.* for talequale, and 7*s.* 10*d.* for Yerli ditto. To date the arrivals amount to 1,439 cases, against 3,512 at the same date last year. The estimates of the crop vary, but it may be put down as between 8,000 and 9,000 cases.

OTTO OF ROSE.—No authentic news has yet been received here as to what the prospects will be for the coming rose-crop, but it is not thought there will be any shortage as there has been an absence of reports to the contrary.

POTASHES.—First Montreal are scarce on the spot at 23*s.* 6*d.*, and in one instance 24*s.* is asked *Pearl* most w no sale at 33*s.* per cwt.

POTASH PERMANGANATE.—Quiet but firm at unchan rates. The scarce supply is evident from the fact that agent here has been compelled to buy 3 tons from seco hand holders in order to fulfil April deliveries, his princip factory having over-sold. Another factory is reported to some 30 tons behind in its deliveries.

QUININE.—The market at the end of last week clo dull, and no business of importance was done on Friday Saturday, the nominal quotation then being 1*s* 3½*d.* per for August delivery. On Monday a sale of 5,000 oz. reported at this figure The following day witnesse decline to 1*s* 3¼*d.* for August delivery, and 1*s.* 3*d.* for at which figure a fair amount of speculative-business done. The market slightly recovered on Wednesday, wh small shipments of bark from Java for the first half of were announced, and some 50,000 oz. changed hands 1*s.* 3*d.* for spot, 1*s* 3¼*d.* to 1*s.* 3¾*d.* for August, and 1*s.* 3 per oz for October. To-day 1*s.* 3*d.* has been refused spot, but little business has been done. The makers' re a fair consumptive demand.

SAFFRON.—Prices from Spain this week are dearer, fi *Valencia* of new crop being quoted at a figure equivalent 45*s.* 6*d.* to 46*s.* 6*d.* per lb., London terms. There has bee fair amount of buying this week, and one dealer has clea out his holdings at 44*s.* 6*d.* per lb.

SEEDS.—*Anise* is steady at 17*s.* 6*d.* per cwt., with m demand. *Caraways* are dearer, at 22*s.* 6*d.* per cwt. ordinary and at 23*s.* 6*d.* for good. Reports regarding growing-crop in Holland are unfavourable. *Coriander* d but prices unchanged. *Fenugreek* firmer at 7*s.* to 7*s.* per cwt., according to quantity. *Cumin* steady. *Can* firm, with a fair business passing, Turkish at 25*s.* 6*d.* to 2

SHELLAC has been dull all the week, with small sales the spot at unchanged rates.

SPICES.—The finer qualities of Cochin *Ginger* sold chea at auction on Wednesday, B-cut at 45*s.* to 45*s.* 6*d.* per c C-cut at 23*s* 6*d.*, bold and medium native-cut at 41*s.*; ro kinds were also slightly lower, fair to good washed ro sold at 22*s.* to 22*s.* 6*d* per cwt., Calicut brown rough at 2 brown tips at 18*s.*, and cuttings at 17*s.* per cwt A pa of limed rough Japan sold at 17*s.* per cwt. Jamaica pa sold at steady rates. Zanzibar *Cloves* steady at 3¾*d.* per the principal business lately has been the covering of Mar May delivery contracts. Fair picked Penang were bough at 7½*d.* to 8*d.* per lb, but fine bright heady picked reali 1*s.* per lb. *Pimento* lower; common to ordinary sold at to 4*d.* per lb. *Cinnamon-chips*, seented with cocoanut sold at 2¾*d.* per lb.; quillings at 6½*d.* per lb. Broken *Ca* brought 31*s.* per cwt. *Cassia-chips* bought in at 43*s.* to per cwt. *Nutmegs* quiet. *Mace* dull; bold palish red at 2*s.* 1*d.* per lb. *Pepper* very firm; Singapore black been done at 5 5/16*d.* per lb. on the spot, and at 5⅝*d* for Ju August shipment. Very fine bold Ceylon sold at 6½*d.* pe Singapore white has sold at 8 13/16*d.* per lb. for July-Septem steamer. The parcels offered at auction were bought Penang sells privately at 7⅞*d.* per lb.

SUGAR OF MILK.—We hear from New York that exp orders for 500 barrels have remained unexecuted, as entire output is needed for home-consumption.

SULPHONAL.—The makers still contemplate a reductio price, and counsel buyers to be wary in purchasing seco hand lots, which still offer in small quantities at 14*s.* per

Curacao Commerce Bad.

British-Consul Jesurun, in his report on the trade Curaçao and its dependencies for 1898, says that the finan condition of the island is going from bad to worse, there is no hope of immediate relief. He has nothing ne tell with regard to Curaçao aloes, except that low pr and higher duties levied by the Dutch Government h almost snuffed out the industry. During 1898 a tri quantity (no figures are given) came from the island Aruba and was reshipped to New York, the only ma

wl e anything near the cost-price could be obtained for the in ferent quality. The Consul further remarks that "Aba, Bonaire, and Curaçao could produce very clean and hi grade aloes if better prices prevailed on foreign m ets, where buyers give preference to the dirty or low gr es on account of cheapness, and because those who ha le this article abroad are able to obtain by means of itable machinery and process the exact grade desired at a f lower cost than is possible in the Dutch colonies." In Bo ire and Curaçao there are large tracts of land planted on with aloes, but exportation has been stopped for the sa reason. From the same report we learn that the ph hate-of-lime mining is at a low ebb, and the mines there are lmost exhausted.

Japanese Markets.

(From a Special Correspondent)

Yokohama, March 13.

[e weight equivalents used in this report are :—1 catty = 1⅓ lb.' 1 p l = 133⅓ lbs. The exchange-rates in Yokohama at the date of wri g were:—1 yen, London on demand, 2*s.* 0¾*d.*; Paris on den d, 2·60f.; Berlin on demand, 2·10m. 1 yen = 100 sen.]

C GER.—The poor crop of last season has strengthened the pos n, and holders were firm last month with quotations 9.06 yen er picul for fair quality; but the price being too high there was demand, and the exports fell to 100 piculs. Holders now wa o sell, and the price has gradually fallen to 7.50 yen to 7.50 yen r picul for fair quality.

C PHOR.—There is no available stock now, and price is 60 yen per cul for good quality, and 25 yen for oil.

I INE.—Foreign potassium iodide is 2.95 yen per lb., while Jap ese make is 3.50 yen per lb. Annual demand is estimated at 60,0 lbs.

P PERMINT.—Stock in interior is estimated at 600 piculs, and tha n Yokohama 400 piculs oils and crystals. This represents all ck unsold from last year. On account of the financial con ion distillers are now anxious to dispose of their stock, while com tition among sellers and poor demand abroad have weakened the arket, so that the prices have gradually gone down, and to-d they are 3.80 yen for crystals and 1.65 yen for oil per catty. As the suming season is approaching there is rather good demand for for home consumption, business having been done at 1.65 yen 1.60 yen per catty.

I bjoin the prices (in yen) on this market for other of the mor mportant drugs and chemicals :—

A , acetic glac. 97 per cent., 24 sen per lb.; acid, carbolic, in cwt. ns, 33 sen per lb.; alcohol (cases), 12½ sen per lb.; alcohol (bar s), U.S.A. quality, 11 sen per lb.; antipyrin, 20 sen per oz.; anti rin, 53 sen per lb.; bismuth nitrate, 2.65 yen per lb.; cinchor e mur., 17½ sen per oz.; glycerin d.d. (56-lb. tin), 25½ sen per ; morphine sulphate, 41 yen per lb.; oxide of zinc, 16 yen per cwt. paraffin wax (barrels), U.S.A., 7½ sen per lb.; phosphor amo A.W., 1.20 yen per lb.; pilocarpin, 11.08 yen per oz.; sant in, 2.30 yen per lb.; soda ash, Crescent 58 per cent., 4.25 yen r picul; soda, caustic 60 per cent., 5.20 yen per picul; soda alicylate, 1.10 yen per lb.

T following is a statement of the principal exports and imp s of drugs and chemicals from and to Yokohama and Kobe duri the first three months of the current year :—

Exports.

—		Yokohama	Kobe
Acid uriatic	lbs.	—	19,220
Acid itric	"	—	28,500
Acid alphuric	"	—	829,110
Blea ing-powder ...	"	—	41,000
Cam or	piculs	—	8,143
Cam or oil	"	—	2,529
Caus soda	lbs.	—	54,370
Cop sulphate... ...	"	—	79,146
Gall	piculs	—	811
Ging	"	127	141
Gins	"	206	99
Iodi	lbs.	1,740	—
Man ese	tons	707	3,450
Ment l	catties	10,569	1,830
Oil o eppermint ...	lbs.	5,404	3,320
Oil o uromoji	"	180	—
Star iseed	catties	7,459	87,505
Wax, getable	piculs	—	7,119

Imports.

—		Yokohama	Kobe
Acid, acetic, glacial ...	kilos.	23,660	11,600
Acid, boracic	"	1,020	50
Acid, carbolic, cryst. ...	cwt.	2,955	—
Acid, salicylic	lbs.	14,448	6,272
Alcohol	"	388,440	386,520
Ammonia carbonate ...	cwt.	275	285
Ammonium chloride ...	"	614	150
Antifebrin	lbs.	3,360	3,680
Antipyrin	oz.	46,800	16,700
Arsenic, powdered ...	cwt.	40	—
Bismuth salicylate ...	lbs.	224	—
Bismuth subnitrate ...	"	6,856	3,000
Bromine	"	203	—
Cinchoniue muriate ...	"	300	—
Cloves	piculs	73	130
Cobalt, oxide	lbs.	500	800
Cocaine, hydrochloride ...	oz.	200	900
Cream of tartar	cwt.	100	30
Creosote carbonate ...	lbs.	2,000	400
Gambier	piculs	116	54
Glycerin	cwt.	280	1,996
Guaiacol	lbs.	60	—
Guaiacol carbonate ...	"	285	50
Ichthyol ammonia ...	"	100	—
Indigo	piculs	1,974	457
Lanoline	lbs.	—	1,000
Lycopodium	"	784	—
Morphine	oz.	—	800
Oil, cassia...	catties	500	605
Oil, citronella	lbs.	3,547	—
Oil, cloves	"	480	—
Oil, lemon	"	50	50
Oil, mirbane	"	300	—
Potash, bichromate ...	cwt.	604	11,226
Potash, bromide... ...	"	160	40
Potash, chlorate... ...	"	200	5,000
Potash, iodide	lbs.	5,000	—
Potash, prussiate, yellow	cwt.	110	—
Phosphorus, amorphous	lbs.	6,200	30,700
Phosphorus, stick ...	"	—	14,500
Quicksilver	"	33,500	26,800
Quinine muriate ...	oz.	12,000	8,000
Quinine sulphate ...	"	14,000	5,000
Rosin	cwt.	1,500	4,927
Saccharin...	lbs.	412	1,520
Saffron	catties	292	142
Saltpetre, Indian ...	piculs	890	1,188
Santonin	kilos.	400	—
Senega	lbs.	1,173	1,120
Senna	piculs	80	25
Soda ash	cwt.	6,451	11,502
Soda, benzoate	lbs.	224	336
Soda, bicarbonate ...	cwt.	3,400	3,255
Soda, bromide	"	4	226
Soda, caustic	"	11,212	10,791
Soda, hyposulph. ...	"	100	—
Soda, nitrate, Chilian ...	piculs	36,749	2,482
Soda, salicylate	lbs.	6,720	—
Strontia nitrate	cwt.	25	—
Vermilion, Chinese ...	piculs	30	40
Wax, paraffin	lbs.	300,310	1,248,372

Commercial Notes.

TRIESTE GUM-TRADE.

A report from Trieste, by Vice-Consul Nathan, does not give that information about the drug-trade which one might expect from so important a centre, and only a slight reference is made to the gum-trade. The year 1898 was a disappointing one to the Trieste gum-merchants, as they had hoped that by the success of the Sirdar in Egypt large quantities would have been exported. On the contrary, the supply was less than the preceding year and prices higher.

CEYLON CUSTOMS TARIFF.

In our issue of September 10, 1898, we reported a draft by the Ceylon Legislature of new tariff-rates for the island.

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These have now been definitely agreed upon. We append the import-duties upon articles connected with the drug-trade:—

	Per cwt. r. c.		Per cwt. r. c.
Benzoin	1 50	Mace	10 0
Camphor	6 50	Opium ... (per lb)	2 0
Castor oil	1 20	Pepper, long	3 0
Chillies	1 0	Pepper, whole	1 50
Cloves	1 25	Saltpetre	0 50
Coriander-seed	0 60	Spirits, medicinal (gal.)	6 0
Cumin-seed	1 15	Soaps, other than perfumed or toilet ...	0 55
Cutch	1 70	Tamarinds	0 25
Fennel-seed	0 75	Turmeric	0 65
Ginger, dry	0 80		

The following articles are free:—Aërated-water bottles, areca-nuts, arrowroot, cardamoms, gum dammar, fish oil, rosin, senna, sandalwood. Ganja and bhang, or any substance containing ganja or bhang, are prohibited.

United States Trade.

THE following are the chief chemical and drug products exported and imported by the United States in the year 1898 compared with 1897. Articles marked with an asterisk are subject to import-duty; the rest are free:—

Exports.

Chemicals, Drugs, Dyes, and Medicines	1897	1898
Acids	$105,435	$189,907
Ashes, pot and pearl ...	612,262 lbs.	1,013,482 lbs.
Copper, sulphate of ...	2,889,111 lbs.	14,529,468 lbs.
Ginseng	180,101 lbs.	195,315 lbs.
Lime, acetate of	17,666,853 lbs.	42,720,892 lbs.
Medicines, patent or proprietary	$2,501,515	$2,306,840
Roots, herbs, and barks	$129,745	$181,994
All other	$5,382,096	$4,735,503
Beeswax	78,614 lbs.	124,793 lbs.
Honey	$75,007	$71,301
Quicksilver	1,007,770 lbs.	981,497 lbs.
Soap, toilet or fancy ...	$224,284	$333,800
„ other	$973,030	$1,001,330
Spermaceti	182,333 lbs.	251,264 lbs.
Turpentine	16,765,820 gals.	18,081,005 gals.
Paraffin wax	136,069,164 lbs.	166,316,732 lbs.

Imports.

—	1897	1898
	Lbs.	Lbs.
Cinchona-bark	2,696,366	3,512,449
*Glycerin	10,393,350	68,211,419
Gum arabic	364,712	837,454
Camphor, crude	1,944,551	1,921,590
Gambier	39,162,563	854,726
Shellac	7,417,948	39,593,883
Liquorice-root	59,619,047	7,836,525
Opium—		
Crude	757,384	85,069,737
Ditto	*29,308	*415,317
Prepared for smoking	131,409	119,757
Potash—		
Chlorate of	4,890,080	
Ditto	*1,618,279	*4,806,402
Chloride of	108,839,049	104,358,601
Nitrate of	16,276,352	11,461,823
All other	31,641,336	18,897,471
Quinine, sulphate of, &c.	(oz.) 4,364,823	3,893,541
Soda—		
*Caustic	57,742,392	24,981,873
*Sal soda	15,991,955	5,090,768
*Soda ash	138,664,105	67,973,939
Sulphur or brimstone, crude	(tons) 138,846	159,790
Vanilla	148,773	133,353
*Soap, fancy, perfumed	895,894	750,036
*All other	$338,964	$248,723

Produce Notes.

"CUNDUR LAPLAC."

Under this name we have recently had brought to r notice a medicinal plant, said to come from Cuen, Ecuador, where it is employed by the natives as a cure r cancer, syphilis, and rheumatism, and for various intel disorders of women. The specimen has the appearance a stout grass with a fibrous base and root-stock, and sim, wiry roots—which, by the way, would probably be usl for brush-making. The plant is probably a species of *Anthericum*, an extensive genus of herbaceous plants belo to the natural order *Liliaceæ*, and distributed over Eur, Africa, and America. The tuberous roots of this genus e stated to possess acrid properties, which are dispelled y desiccation or boiling. The drug was formerly employe a diuretic and emmenagogue.

RUBBER IN SOUTH INDIA.

The cultivation of rubber in Madras has proved a disast disappointment, and although the trees grow splendidly y refuse to yield or even produce rubber. Mr. Hooper, e official reporter on economic products, reports that e facility with which the Ceara rubber-tree grows in cer n localities in South India, where the tree has been exp mentally planted, encouraged the hope that the juice w d be secreted in large quantities, and the raw rubber m le available for export. These expectations were not reall l, however, since it was found that some of the well-establi d trees refused to "bleed" at all when the bark was cut, w e the small quantity afforded by those trees that did bleed s not sufficient to pay for the expense of cultivation. r. Hooper has made a microscopical examination of the i r bark, with the result that while the laticiferous vessel r caoutchouc ducts are not absent, they are undeveloped d scantily distributed in the bark. His final report is t while the cultivation of the Ceara rubber-tree has been f y established in Southern India, it is a matter for regret t the climatic conditions or soil are not suitable for encou ing the secretion of rubber in the trees to make their in duction a commercial success.

Coming Events.

Saturday, May 20.

Wholesale Chemists' and Druggists' Cricket Championship. Matches at Brockley—Davy Hills, *v.* Burgoyne; and at Ve Ham Park—City Mills *v.* Kepler.

Wednesday, May 24.

Edinburgh Pharmacy Athletic Club. Eighth annual amat athletic sports at Powderhall, at 6.45 P.M.

Western Chemists' Association, Westbourne Restaurant, Cr n Road, W., at 9 P.M. General business meeting.

Forfarshire and District Chemists' Association. Annual m ing and dinner in the Ogilby Arms Hotel, Kirriemuir at 3 P.M. Tickets for the dinner, 4*s.* each, can be had from r. W. Cummings, 49 Reform Street, Dundee.

THE MEDICAL PRELIMINARY EXAMINATION is fully s scribed in Dodd's "Guide," published at the office of *C. & D.*, price 2*s.* 6*d.*; by post 2*s.* 9*d.*

GERMAN GYMNASTICS.—The *Phar. Review* is gri about the way French and German papers mess up Eng proper names, and gives this as an example:—

Somewhat more than a year ago there appeared in this jou an article on "The estimation of menthol in oil of pepperm by Dr. Clemens Kleber, of the laboratories of Fritzsche Broth Garfield, N.J. A German journal abstracted the article assigned it to the pen of a certain N. J. Garfield. A Fr journal, which copied from the German, was satisfied with initial, and so Dr. Kleber finally became Mr. J. Garfield.

We may add to that one which we saw the other da L. Unan, a fractionation of a well-known Scotch phar cist by an Italian editor.

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It is very pleasant to the taste, and its great nutritive properties may be taken advantage of by Children and Invalids, Growing Youth, Convalescents, Brain Workers, Athletes, Professional and Business Men and Women.

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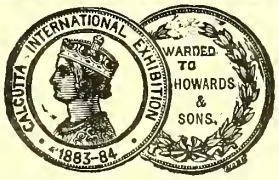

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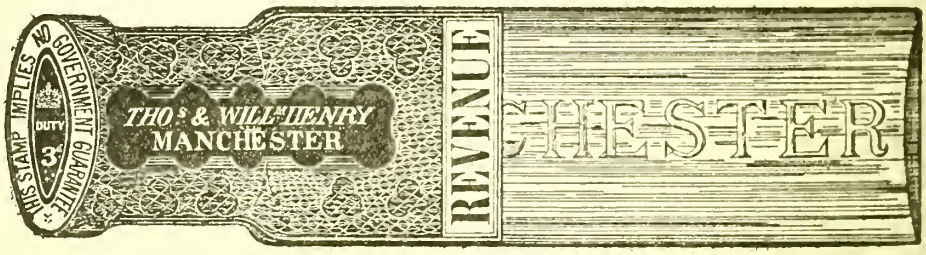

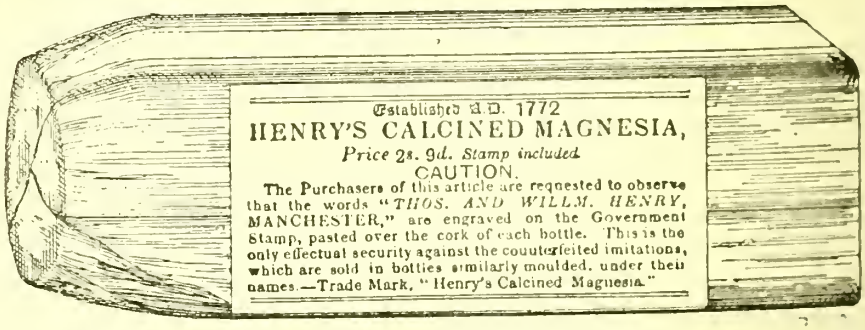

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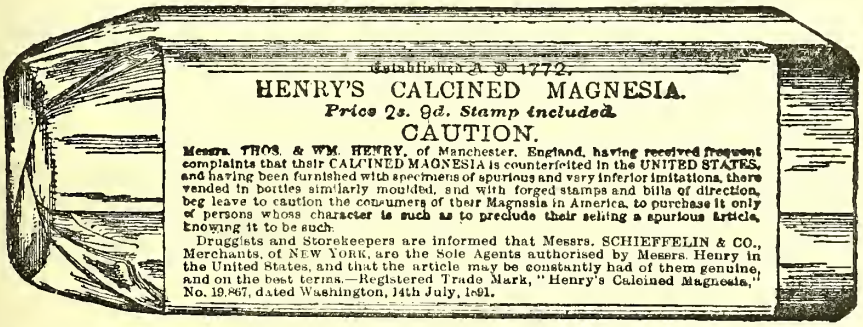
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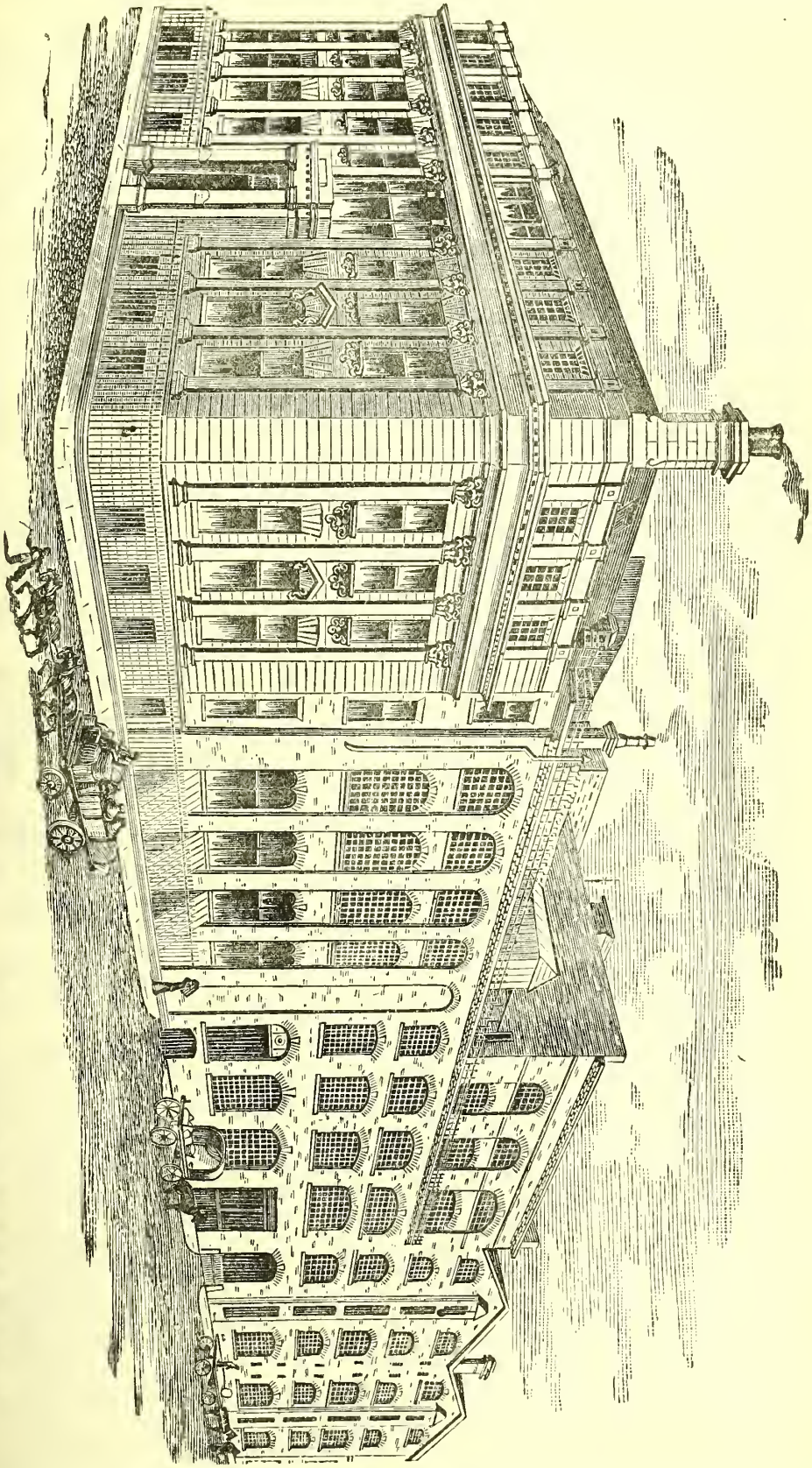

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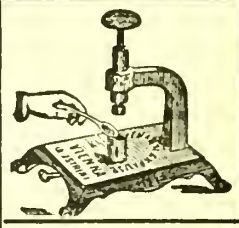

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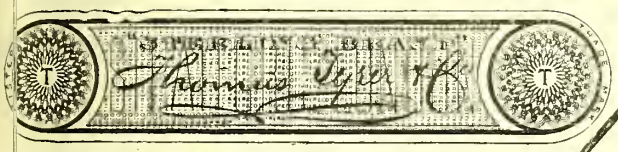

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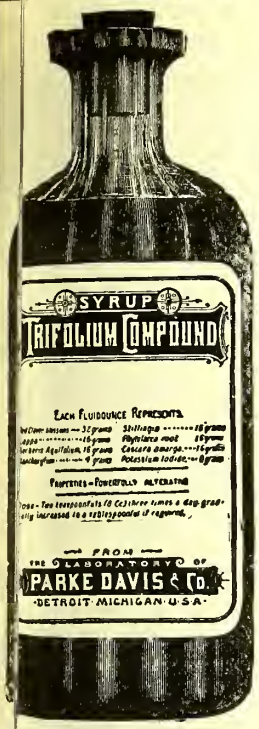

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Having been successfully before the Profession for over twelve years. In the formula are embodied Red Clover, Stillingia, Lappa, Phytolacca, Berberis Aquifolium, Cascara Amarga, and Potassium Iodide.

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With a 10-years' experience in the preparation of Chemists' Counter Adjuncts and packed-goods Specialities, we offer a long list of ***original*** and superior articles, packed in the most tasteful, attractive, and saleable style, and at prices leaving an unusually large profit to the Retailer. Chemists' names and addresses printed free of charge. Write for particulars.

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" " Conc., B.P., 1·500
" Glacial.
" Commercial, water white, all strengths.

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OUR PURE ACID ANSWERS ALL THE REQUIREMENTS OF THE NEW B.P. Do your present stocks?

Our Pure Acid is guaranteed made direct from Phosphorus, and is the Purest and Best on the Market.

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CITRATE OF MAGNESIA

ur manufacture of this article has met with all-round commendation from our customers, and eve year our sale increases largely.

ur "A" quality is almost identical with the British Pharmacopœia formula, but owing to the des of the public for a sweeter preparation we make four kinds, A. B. C. & D.; each having the pro rtion of Sugar, varied according to the price.

1 cwt. and upwards supplied in 28-lb. Tins. *TINS & CASES FREE.*

M ch 1st, 1899.

"A" QUALITY. Blue Label.

r lb. 10*d.*; 1 cwt. 90/-; in 4-28 lb. Tins. Tins and Cases free.

In ro d bottles, corked—	¼ lb.	½ lb.	1 lb.
1 dozen	4/6	7/8	12/6
1 gross	50/-	88/-	144/-

"B" QUALITY. Pink Label.

er lb. 9*d.*; 1 cwt. 74/-; in 4-28 lb. Tins. Tins and Cases free.

In b es as above—	¼ lb.	½ lb.	1 lb.
1 dozen	4/2	7/-	11/-
1 gross	46/-	78/-	128/-

"C" QUALITY. Yellow Label.

er lb. 8*d.*; 1 cwt. 68/-; in 4-28 lb. Tins. Tins and Cases free.

In b es as above—	¼ lb.	½ lb.	1 lb.
dozen	4/-	6/6	10/-
gross	44/-	74/-	116/

"D" QUALITY. White Label.

Per lb. 7*d.*; 1 cwt. 60/-; in 4-28 lb. Tins. Tins and Cases free.

In bottles as above—	¼ lb.	½ lb.	1 lb.
Per dozen	3 6	5/6	9/-
Per gross	38/-	62/-	102/-
In Enamelled Tins—		½ lb.	1 lb.
Per dozen	—	5/3	8/6
Per gross	—	58/-	99/-

Raspberry flavour, tinted	per lb. 1/-	per cwt. 70/-
Lime Fruit flavour	" 1/-	" 70/-
Lemon flavour	" 1/-	" 70/-

	A	B	C	D
6 oz. White Flats, patent stoppered, or blue lettered, patent stoppered, or wood top corks	48/-	38/-	36/-	34/-
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SULPHUR SALINE, or "Brimstone and Treacle" up-to-date.

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Supplied to **the Royal Family** *and Nobility.*

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ASSIMILABLE

IRON TONIC

This is an entirely vegetable preparation, the Iron therein having been extracted from plants which have absorbed and assimilated the metal from the soil in which they grew. Thus assimilated and digested, as it were, by its passage through the plants, the Iron can be assimilated by the human system without any of the drawbacks such as constipation, stomach disorders, headache, and blackening of the teeth, which attach to every known form of prescribing the crude metal. It can therefore be taken by the most delicate persons, both adults and children, and will be found an INVALUABLE AND UNFAILING REMEDY in all cases of Anæmia, Chlorosis, Debility, Hysteria, and Nervous Exhaustion of all kind.

The Infallible Cure for Nervous Exhaustion and Over-Fatigue.
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This preparation is invaluable to all those whose social position entails excessive fatigue from crowded rooms, bad air, insufficiency of sleep, &c. Personal explanations, references, and advice will be given, if required, at the Offices of SANDRONS, Ltd., 34 Devonshire Street, Portland Place, W. Introduced into England by SANDRONS, Ltd., 21st September, 1898.

Price: LARGE BOTTLES** (Stamped), **7/6; SMALL BOTTLES** (Stamped), **4/6.

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SAMPLE BOTTLES POST FREE. PRESCRIBED AND RECOMMENDED BY PHYSICIANS.

BRITISH MANUFACTURED CASTOR OILS

GUARANTEED PURE.

REGISTERED TRADE MARK.

PURE TASTELESS COLD DRAWN PHARMACEUTICAL.

This Oil is guaranteed absolutely Cold Drawn, and is of exceptional brilliancy and purity.

PURE FIRSTS.—This Oil is an expressed oil of very high quality.

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CAPSULES

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NEVER EXCELLED.

"YOUR WANTS SHALL BE OUR CARE."

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NITROGLYCERIN TABLETS

Tabellæ Nitroglycerini, B.P. 1885 (MARTINDALE),

Will continue to be supplied unless **Trinitrin Tablets**, B.P. 1898, be ordered. The Weight of Chocolate in a dose of the latter is **doubled**. This dilution will diminish their value as a remedy of prompt action.

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Specialities:

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Keep Well.

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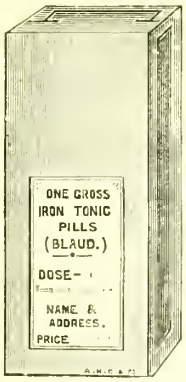

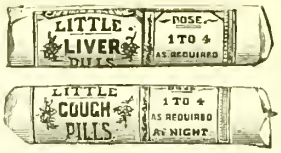

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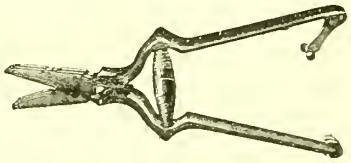

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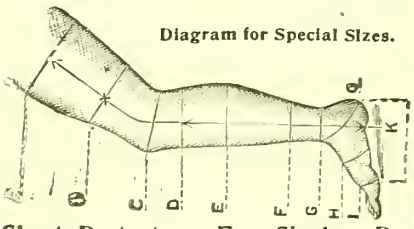

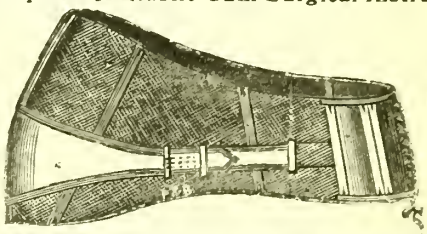

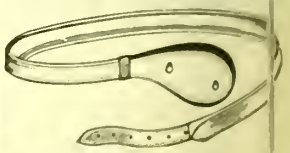

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5, 10 and 15 % CARBOLIC Antiptic and Deodorising Powder.

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In Ots, and in 2, 1, and ½ gallon Tins.

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A NEW WHITE INORGANIC CEMENT

TRADE KLINX MARK.

FOR STONE, PORCELAIN, POTTERY, & ALL VITREOUS SUBSTANCES.

Requires no preparation, easy and clean in application, and can be made to resist water.

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CATARRH SNEEZE SNUFF in Tubes, on Cards, or Boxes, 8/- per gross.

Speciality: PRIVATE RECIPES.

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PRICE LIST.

1/6 Essence, ½ oz.	15/- doz.	less 10 %	1/1½ Ointment	11/- doz.	less 10 %
2/6 do.	24/- „		2/9 Ointment...	27/- „	
2 oz. do.	3/- each		8 oz. do.	5/6 each,	less 5 %
4 oz. do.	8/- „	net	1/6 Soap	15/- doz.	less 10 %
8 oz. do.	8/- „		1/- do.	9/- „	
1/- Extract	9/- doz.	less 10 %	1/6 Dry Inhalers	14/- „	
1/1 Tujubes (Coated)	11/6 „		10/6 Steam Inhalers...	120/- „	
2/3 do. do.	22/- „		2/- Wool Packet	18/- „	
1/1 do. (Plain)	11/6 „		Wound Pads	1/6 „	
2/3 do. do.	22/- „		1/1½ Plasters (in Tins)	10/- „	
1/9 Liniment...	20/- „		1/1½ Zalones	12/6 „	

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"Stern's Pumiline (Liniment and Extract) **MOST EFFICIENT** in cases of Acute Rheumatism and Sciatica."—Dr. AMBROSE, London.

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ANTISEPTIC DISINFECTANT DEODORANT.

NON-POISONOUS. NON-CORROSIVE. NON-VOLATILE. READILY SOLUBLE. VERY PORTABLE. ECONOMICAL.

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JULY 29, 1899.

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— A GOOD SELLING LINE. —

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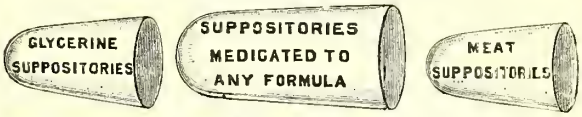
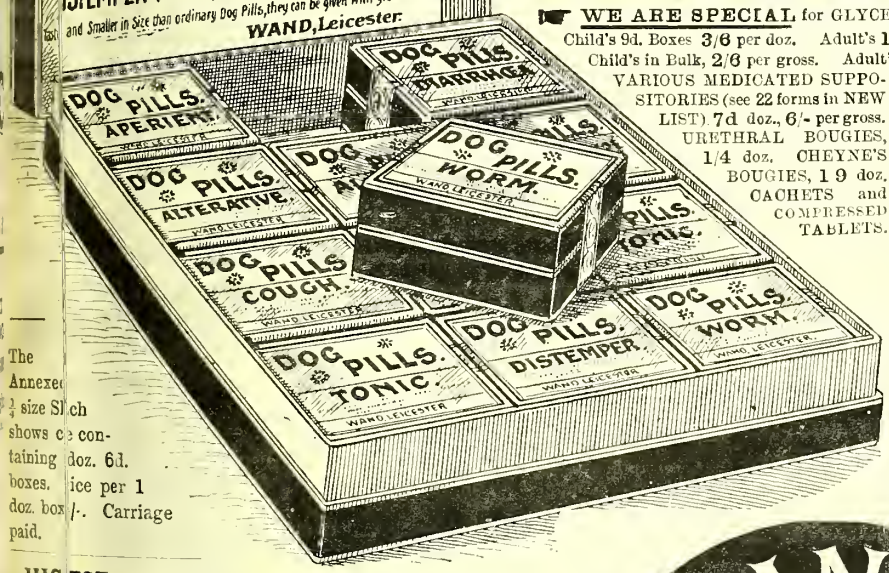
1 Gross in Metal Capped Bottle, 3/6 per doz.
½-Gross Bottles, 3/3 per dozen. 1-Gross Bottles, 3/- per doz.

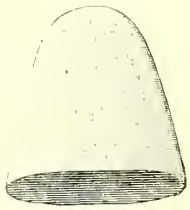


WE ARE SPECIAL for GLYCERINE SUPPOSITORIES.
Child's 9d. Boxes 3/6 per doz. Adult's 1/- Boxes, 5/- per doz.
Child's in Bulk, 2/6 per gross. Adult's in Bulk, 4/- per gross.

VARIOUS MEDICATED SUPPOSITORIES (see 22 forms in NEW LIST) 7d doz., 6/- per gross.
URETHRAL BOUGIES, 1/4 doz. CHEYNE'S BOUGIES, 1 9 doz.
CACHETS and COMPRESSED TABLETS.



PESSARIES
(VAGINAL).



No. 26.—QUININE (Soluble), French Shape, guaranteed to contain 3 grains Soluble Quinine in each Pessary. 1 doz. in box, 8/- per dozen boxes.

VARIOUS MEDICATED PESSARIES (see 27 forms in NEW LIST). Made of Cacao Butter or Gelatine, and supplied in boxes containing 1 dozen of a kind at 1/4 a box.

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HIGHEST QUALITY. LOWEST PRICE.
BEST FINISH. FULL STRENGTH.
PEARL or SWEET-COATED, any Colour
(Varnished, Silvered, or Black Polished).

We supply a 50-gross Selection (Minimum 10 gross) at 50-gross rates.

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533.	Pil. per. c. vel		
43.	„ e Calomel	3½d.	3d.
997.	„ amomile	5d.	4½d.
476.	„ ndelion..	4½d.	4d.
	ut and		
192.	„ eumatic	7d.	6d.
A.	„ doph. Co.	9d.	8½d.
217.	„ gestive ..	4½d.	4d.
	„ ei et Ri-		
2.	„ bi	3½d.	3d.
	„ bes et Asa-		
3.	„	3½d.	3d.
1150.	„ bes et Ferri	3½d.	3d.
	„ bes et Ferri		
6.	„ Pulegii ..	3½d.	3d.
9.	„ afœt. Co.	3½d.	3d.
	„ loc. et Hy-		
	„ y.	10d.	9d.

No.	FORMULA.	10 gr.	50 gr.
8.	Pil. Coloc. Co..	9d.	8d.
103.	„ Ferri (Blaud)	2½d.	2½d.
13.	„ Hydrarg. ..	4d.	3½d.
127.	„ Hyd. c. Rhei	4½d.	4d.
14.	„ Hyd. Subchlor. Co.	5d.	4½d.
15.	„ Ipecac. c. Scillâ	4d.	3½d.
17.	„ Rhei Co. ..	3½d.	3d.
19.	„ Scillæ Co..	3½d.	3d.

Little Pill Series.

68.	Little Liver Pills	3d.	2½d.
412.	Little Cough Pills	4d.	3d.
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All Carriage Paid in Great Britain. Tins and Packages Free.

WE SAVE YOU FROM 50 % TO 100 %.

SPECIAL CLOSE PRICES TO LARGE BUYERS.

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Telegraphic Address:

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'MARIGOLDINE' PREPARATIONS.

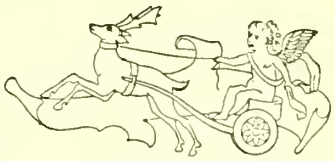
Butter Colour. ***Butter Powder.***

Introduced by the late Mr. Wm. Bush.

IRVING'S COUNTER SPECIALITIES.

TRICRESYLINE DISINFECTANTS.

SHEEP DIPS.



Horticultural, Agricultural, and Household Specialities

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ALLISON, JOHNSON & FOSTER, LTD., MANUFACTURING CHEMISTS, HULL.

AGENTS:— Sydney: POTTS, ROWLEY & CO.
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GOLD MEDAL AWARDED.

The NEW VAPORISER

PATENTED] **"OUR OWN."** [AND REGISTERED.

Patronised by Members of the Royal Family and the Élite of Society.

Recommended by the Highest Medical Authorities.

On every Toilet Table, in every Nursery, in every Sick Room, this Vaporiser is Invaluable.

RETAIL PRICES.

	Price
"OUR OWN," Nickel-plated	15/-
"OUR OWN," Silver-plated	21/-
"OUR OWN," Bronze, with Silver Fittings	25/-

ALL ENGLISH MADE.

It is the best means of obtaining and preserving a clear complexion, and is specially recommended for the self-administration of spray remedies in all diseases which affect the skin, throat, lungs, mouth, eyes, ears, and head.

EAU DE LIS ... ... 2/6 per bottle.
"IO" LOTION ... ... 2/6 per bottle.
LOTION DÉTERGENTE, 3/6 per bottle.
All three preparations are used in conjunction with the Vaporiser.

The Electric Rouleau-Masseur and Battery complete, price £2 12s. 6d.

PATENT ELECTRIC HAIR BRUSH, price 15s.

Wholesale and Retail Agents for all the Toilet Preparations and Perfumery of the Société Hygiénique, 55 de Rivoli, Paris.

Pamphlets for Distribution, Carriage Paid. Write for Full Particulars from

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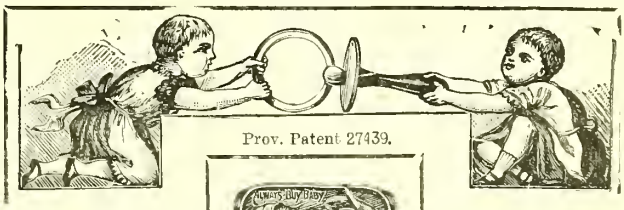
"NURSE MARGERY"

SOOTHERS—Teatfast & Shieldfast.



Prov. Patent 27439.

Is applied to *ALL* patterns, not necessarily only Rings.

See report, C. & D., February 4th, 1899.

All fitted with Cords.
No obstruction in the Teat.

No more children choked by Teat or Shield coming apart.

L1	1d. Olive Wood, Pear-shape Polished Teat	Gross. 7/6	
L1s	1d. do. do. Seamless Teat	8/-	
		Doz.	
L2	2d. Ring, Seamless Teat	1/2	
L27	2d. Flat Bone, Seamless Teat	1/3	
L39	2d. Long, with 2nd size	1/4	
L103	2d. Long, Fancy, 2nd size	1/4	
L23	6d. Rubber Ring, Pad and Teat	Doz. 3/6	
L3	3d. Solid Ring, Seamless	1/10	
L17	3d. Rubber Ring	2/-	
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L4	4d. Solid Ring	2/8	
L38	4½d. or 6d. Large Rubber Ring	3/-	

EALT SALINE.
Le Lids.
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ll above are

CITRATE of MAGNESIA.
Lever Lids.
Empty .. .. 12/- gross.
Filled .. .. 3/3 doz.
in several colours, making most attractive Window Shows.

INSECT POWDER.
Empty .. .. 6/- gross.
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For FLY PAPERS
Apply to us before buying, and save money.
Special designs for quantity.

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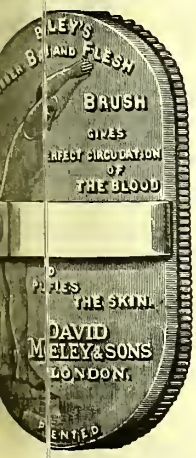

Should be stocked by every Chemist and Dealer in Toilet Goods.

They are extensively advertised, have a ready sale, and show you a good profit.

			Retail at
Bailey's Rubber Bath Brushes	42/- doz.		5/- each
" " Complexion	25/-	"	3/6 "
" " Toilet (large)	17/-	"	2/- "
" " " (small)	8/-	"	1/- "
" " Tooth, No. 1	6/-	"	10*d.* "
" " " 2	6/6	"	1/- "
" " Glove Cleaner	4/6	"	6*d.* "

TO BE OBTAINED FROM ALL THE USUAL WHOLESALE HOUSES.

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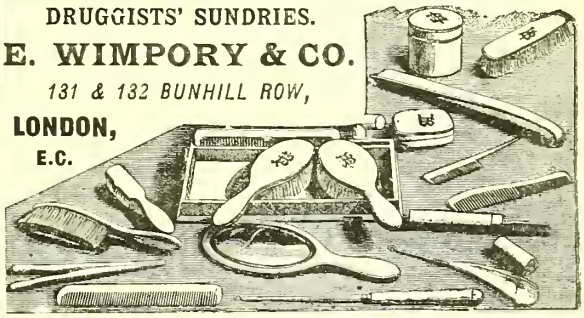

SUPPORT HOME INDUSTRIES.

BUY KENT'S BRUSHES.

See pp. 72 to 75, Winter Issue, 1898; also Diary 1899, pp. 554, 555, 556, 557.

PLATE POWDER

· OUR NAME SELLS IT ·

We are probably the best-known Manufacturing Silversmiths in London, and are rapidly extending the sale of our Plate Powder, the best on the market. Price 5/6 per doz.; retails at Store price of 7d, the 1/- size.

SPINK & SON, 17 Piccadilly, W., and City, E.C. Estab. 1772.

GLUE in CAKES & POWDER.

A. BRAUER'S CHEMICAL WORKS, LÜNEBURG (GERMANY),

Manufacture Glue from Skins and Bones, Liquid and in Cakes (so-called "Cologne" S[illegible]).

GLUE IN CAKES, A[illegible] (Hide and one Glue M[illegible]).

Also Exclusive Manufacturers of

GLUE IN POWDER Made by new Proce[illegible]

Guaranteed free from Acid and Fatty Matter, and made from Skins.

SPECIAL ATTENTION GIVEN TO EXPORT ORDERS.

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LÜNEBURGER WACHSBLEICHE, LÜNEBURG, near HAMBURG.

BEESWAX, GUARANTEED PURE B.P.

YELLOW & WHITE, in Blocks, Cakes, Tablets, or any other form.

CARNAUBA WAX, BEST BLEACHED.

CERESINE WAX, ALL QUALITIES & SHADES

QUOTATIONS: Free to any place in the United Kingdom

SAMPLES MATCHED.

SPECIAL EXPORT LIST.

"GLOBE" POLISH

Highest Awards, Leipsic, 1892; Chicago, 1893; Nuremburg, 1896.

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The **"GLOBE" POLISH** has already achieved almost phenomenal success throughout the United Kingdom, although not introduced until February, 1895.

The **"GLOBE" POLISH** is now supplied to the households of Her Majesty the Queen and H.R.H. the Duke of Cambridge; and is also in regular use on board the Royal Yachts.

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The **"GLOBE" POLISH** is brilliant, lasting, harmless, easy to use, and easy to sell.

MILLIONS of free samples, cards, and handbills have already been distributed; and the **"GLOBE"** advertising is thoroughly up-to-date.

The **"GLOBE" POLISH** has come to **STAY**, and all dealers can stock it without hesitation.

The **"Coachman" Show-Card** is a wonderful example of colour printing, a copy having been personally *purchased* at a recent Windsor Bazaar by H.R.H. the **Princess Christian**.

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"GLOBE" POLISH.

Registered Trade Mark:—

"A GLOBE ON A RED BAND."

Wholesale Price List (Export only).

The following Quotations are for original iron-bound Export Cases, and do not apply to Australia and New Zealand.

		Each Case contains		1 case	2 cases	5 cases	10 cases
"GLOBE" Metal Polish							
Solid Paste (in tins)	A	5 gross	per gross	8/-	7/9	7/6	7/3
	B	3 "	"	16/-	15/6	15/-	14/6
	C	2 "	"	30/-	29/-	28/-	27/-
	H	6 doz.	per doz.	8/-	7/9	7/6	7/3
	E	3 "	"	16/-	15/6	15/-	14/6
"GLOBE TAB" Metal Polish (in tablets)	D	5 gross	per gross	8/-	7/9	7/6	7/3
"GLOBE" Furniture Polish (in tins)	M	5 gross	per gross	8/-	7/9	7/6	7/3
	N	3 "	"	16/-	15/6	15/-	14/6
	O	2 "	"	30/-	29/-	28/-	27/-
	P	6 doz.	per doz.	8/-	7/9	7/6	7/3
	R	3 "	"	16/-	15/6	15/-	14/6
"GLOBE" Plate Powder (in boxes)	T	2 gross	per doz.	3/6	3/4½	3/3	3/1½
	K	6 doz.	"	6/6	6/3	6/-	5/9
	L	3 "	"	12/6	12/-	11/6	11/-

PAYMENT.

2½% discount for Cash against B/L.

Payable in London or Stockton-on-Tees.

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Sole Proprietors for the United Kingdom and British Colonies:—

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KIESELGUHR

LIGHT,

CHEAP,

INDESTRUCTIBLE.

FLAKE WHITE, for Tooth and Face Powder Manufacture

GREY, for Metal Polish, Soap, &c., Manufacture.

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APPLY TO LARGEST PRODUCERS IN THE WORLD—

ANGLO-NORWEGIAN KIESELGUHR CO., LTD.

8 GEORGE STREET PARADE,

BIRMINGHAM

Spring Cleaning, 1899.

FURNITURE CREAM

PACKED WITH

YOUR OWN NAME.

JOHN PARKES & CO.

Makers for Fifty Years of the Celebrated

PARISIAN FURNITURE CREAM,

will send Carriage Paid to any part of England and Wales,

6 Doz. 6*d.* size (5 oz. Glass or Stone) **Bottles** for **£1 1s.**;

Or **12 Doz.** ditto, ditto, for **£1 19s.**

The finest selection in the trade of Labels, lithographed in colours, to choose from.

Hundreds of Chemists have availed themselves of this offer.

We guarantee the Furniture Cream to be made with the highest grade of materials, and it has always given greatest satisfaction to the retailer and his customers.

Send a Post Card for Sample, with Specimens of Labels, to

JOHN PARKES & CO., WARWICK.

PAROZONE BLEACH

REGISTERED.

Snow White Linen.

Retailed at 1d. per Measure.

Removes Tea & Fruit Stains

Also in 6d. Bottles

Full Particulars on application—

THE PAROZONE CO., LTD.

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J. & E. DALTON & CO. LTD

MANUFACTURERS OF

EMERY CLOTHS

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THE DALTON CELEBRATED KNIFE POLISH,

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New Mills, near STOCKPORT.

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OAKEY'S WELLINGTON KNIFE POLISH.

GOLD MEDAL LONDON 1884

THE ORIGINAL & ONLY GENUINE PREPARATION.

PREPARED EXPRESSLY FOR OAKEY'S KNIFE BOARDS.

All Patent Knife Cleaning Machines, and Rubber and Buff Leather Knife Boards.

Kniv constantly cleaned with it have a brilliant polish equal to new cutlery, and are not injured as they are when common imitations of Oakey's Knife Polish or when Bath Brick is used.

Canisters, 1d., 2d., 3d., 6d., 1s., 2s. 6d., and 4s. each.

Oakey's "Wellington" Knife Boards.

The st and cheapest articles ever introduced to the Public, for expeditiously and brilliantly polishing Knives. Made in all sizes. Oakey's "Wellington" Knife Polish should be used with the Boards.

Oakey's "Wellington" Silversmiths' Soap.

The st and cheapest article for cleaning and polishing, without waste or dirt, Silver, Electro-Plate, Britannia Metal, Tin, Zinc, Plate Glass, Marble, Gas Globes, Lustres, Windows, &c. **Tablets, 6d. each.**

Oakey's "Wellington" Black Lead.

Imp s an immediate, brilliant, and lasting polish to all kinds of Stoves, Ironwork, &c. No WASTE, DIRT, or DUST in the use—adheres at once to the stove. **Solid Blocks, 1d., 2d., and 4d. each, and 1s. Boxes.**

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In C ular Polished Blocks **½d. and 1d. each**; packed also in fancy boxes at **6d. each**, containing 1 doz. ½*d.* blocks, or ½ doz. 1*d.* blocks.

Oakey's "Polybrilliant" Metal Pomade.

(REGISTERED.)

A m c Pomade for cleaning Brass, Copper, Tin, Pewter, Britannia Metal, &c. Never becomes dry and hard like other Metal Pastes. **Tins, 1d., 2d., 3d., and 6d. each.**

Oakey's "Polybrilliant" Metal Powder.

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Produces a most exquisite polish on Brass, Copper, Tin, &c. In fancy Boxes, at **6d. and 1s. each.**

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For cleaning and polishing Furniture, Patent Leather, Oilcloth, &c. **Bottles, 6d. and 1s. each.**

Oakey's "Wellington" Brunswick and Berlin Black.

For autifying and preserving Stoves and all kinds of Ironwork. **Bottles, 6d., 1s., and 2s. each; and ½ and 1 Gallon Cans.**

Oakey's Genuine Emery Cloth.

he best and most economical for all purposes. Each sheet of this quality is stamped "OAKEY'S GENUINE."

Oakey's "Flexible" Glass Paper.

Unequalled for Strength and Durability. Each sheet is Warranted and Stamped "OAKEY'S."

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Manufacturers of Emery, Emery and Glass Cloths, Glass, Emery and Flint Papers, Black Lead, Knife Boards, Pumice, Putty Powder, Crocus, Rouge, Plate Powder, Furniture Polish, Brunswick and Berlin Black, &c.

AGENTS FOR THE SALE OF SCOTCH, TOWN, FRENCH, AND OTHER CLUES.

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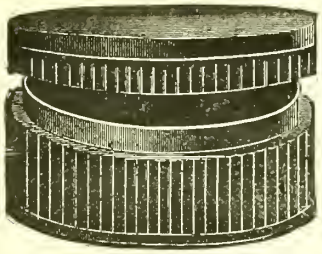
THE "STIPENDUM" STOPPER CO., LIM.



47 LAMB'S CONDUIT ST., LONDON, W.C

MANUFACTURE THE FOLLOWING SPECIALITIES—

"STIPENDUM" CORK STOPPERS, in all sizes.
"STIPENDUM" CORK-LINED CAPS, for Pomado Bottles
'STIPENDUM" OPENERS, for Stoppered Aerated-water Bot es

"STIPENDUM" GREASE-PROOF COVERED POTS

IN TERRA COTTA, CHOCOLATE, AND BLACK.

The Grease-Proof Covered Pots have perfectly-fitting lids, are practically unbreakable, and the only articles really answering the purpose int d.
To be had of all Drug ists' Sundriesmen. Wholesale only of the Company.

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ESTABLISHED 18 39 ESTABLISHED

ROUND, OVAL, SQUARE, or FOLDING, for the

DRUG, DRYSALTERY, AND CONFECTIONERY TRADE.

LABELS, WHEN PRINTED TO OUR INSTRUCTIONS, WE PUT ON PILL AND OTHER BOXES FREE OF CHARGE.

BOXES AND CASES FOR

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ROBINSON & SONS, LIM., WHEATBRIDGE MILLS & HOLMBROOK WORKS, CHESTERFIEL ,
And 55 FANN STREET, ALDERSGATE STREET, LONDON.

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USE BATH EUCRYL

IN THE BATH

BATH EUCRYL

AGAINST CHILLS

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FOR BURNS

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WHEN SHAVING

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AFTER FATIGUE

FOR STIFFNESS

Eucryl preparations should be stocked and sold by leading Chemists throughout the country; they are well presented a attract the customer. District Agents appointed and well supported. Bath Eucryl is supplied to retail at **1/6** and **2/6** p bottle, at **13/6** and **22/9** per dozen net, carriage paid on prepaid orders over **1** dozen.

Send for particulars of EUCRYL DISINFECTING FLUID, EUCRYL VAPORISING FLUID, EUCRYL DISINFECTING POWDER, EUCRYL TOILET SOAP, EUCRYL TOOTH PASTE.

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/e can supply your requirements for CARBOLIC ACIDS, CRESYLIC ACID, DISINFECTANT POWDERS, BENZENE, TOLUOL, XYLOL, NAPHTHALINE. *Write for our Prices.*

For full particulars, &c., apply to the Manufacturers and Proprietors—

MAJOR & CO., LIM., HULL.

A NEW MILL,

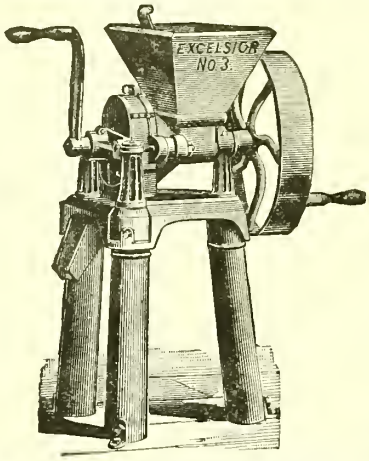
THE "EXCELSIOR."

MADE IN THREE SIZES, FOR HAND OR POWER.

Suitable for Grinding

Wet or Dry Corn, Coffee, Cocoa, Spices, Drugs, Roots, Seeds, Herbs, Barks, Rock Salt, or similar substances.

Simple. Cheap. Durable and Efficient.



Send for Price List. All Sizes in Stock.

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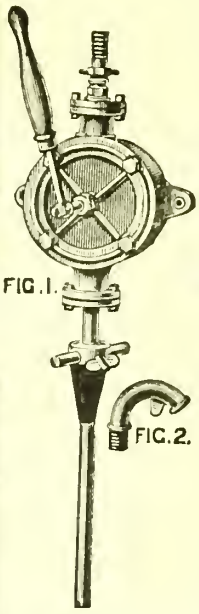
Engineers and Coppersmiths,

167 Kingsland Road, LONDON, N.E.

ESTABLISHED 100 YEARS.

Telegrams—"Coppersmiths London." Telephone 59.095 Dalston.



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THOUSANDS IN US

This is a representation of our "Will NEW SEMI-ROTARY PATENT PUMP, with proved Taper Barrel Attachment. It is work and simple in construction, and is adm to be the best article in the market for Pu Paraffin Oil and all kinds of Liquid from b or tanks into other receptacles.

We hold a Large Stock, and can Prompt Delivery.

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Ours is the Original Patent Pump

Write for full particulars and prices of The "Willcox Semi-Rotary" Patent Oil Pumps to

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Offices—23 SOUTHWARK STREET,

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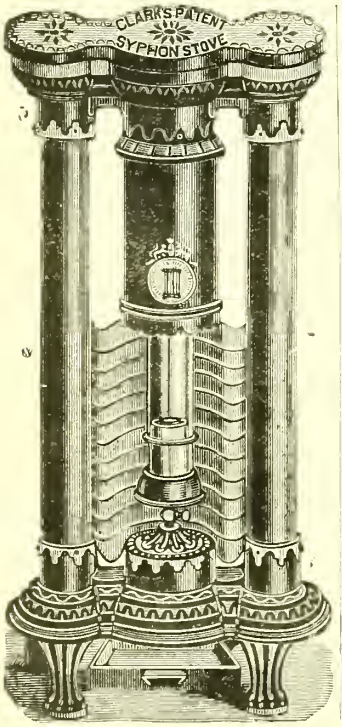
TO CHEMISTS AND DRUGGIST



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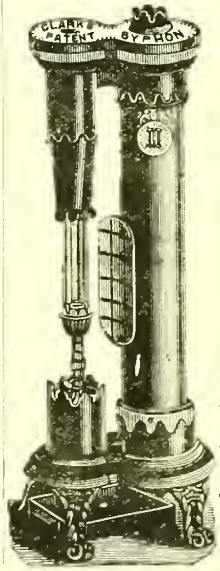
"THE SYPHON" (Registered Title)

HYGIENIC CONDENSING GAS HEATING-STOV

(CLARK'S PATENT.)



A Necessary for all Invalids.
A Comfort to Everybody.

NO FLUE REQUIRED.

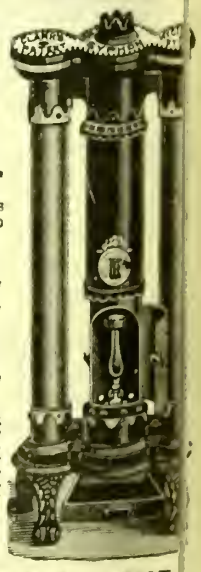
FREE FROM SMELL OR SMOKE.

All injurious vapours are reduced to harmless liquid inside the Stove, and passed out at foot into a tray provided for that purpose.

For use in Hospitals, Sick Chambers, Bedrooms, Halls, Conservatories, Schools, Shops, &c.

A LIBERAL DISCOUNT ALLOWED.

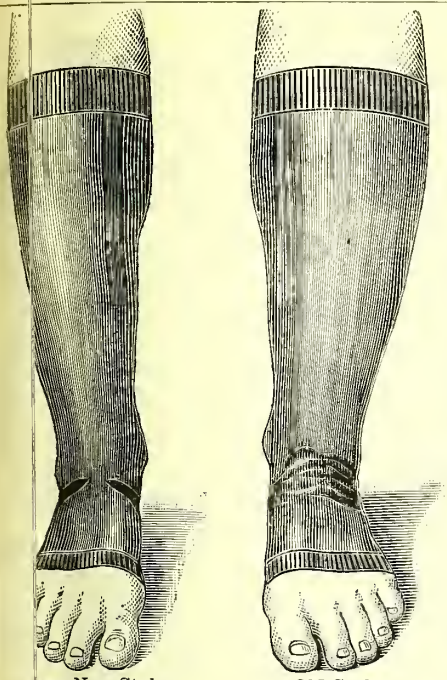
The "Syphon" Stove is admirably adapted for heating Chemists' and Druggists' Shops and Stores. The heat is evenly diffused, and can be graduated or sustained at pleasure.



For Terms, Particulars, and Prices, apply to

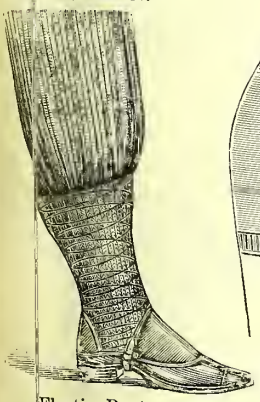
S. CLARK & CO., Patentees & Makers, **SYPHON WORKS, PARK ST., ISLINGTON, LONDON,**

Telegraphic Address—"SYPHON STOVES LONDON." Wholesale Agents—Messrs. Maw, Son & Thompson, Aldersgate Street, London.

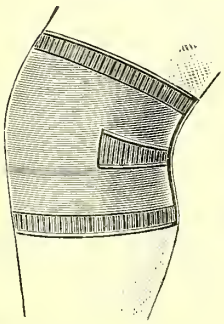


cme New Style. No Wrinkles.

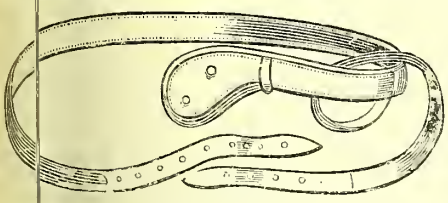
Old Style. Wrinkles.



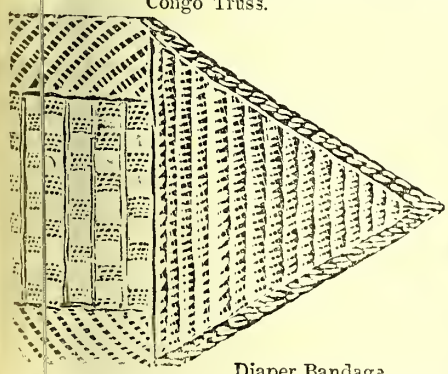
Elastic Boot.



Acme Knee Cap.



Congo Truss.



Diaper Bandage.

HAYWOOD'S NOVELTIES

(Patented and Registered).

THE ACME STOCKING

(REGISTERED).

This is a **Superior Make of Stocking,** Shaped **on the Instep** to fit without Wrinkles. Made from Linen Thread, which will **wear smooth** and be very **durable,** and a proper proportion to **India-rubber** of the Best Quality to ensure **perfect pressure** and **elasticity.**

ACME KNEE CAP (Registered).

Made as the Stockings with Gusset at the back to prevent **Wrinkling under the Knee.**

CONGO TRUSS.

Covered with a **Special Material** which can be washed and will not become Hard same as Leather; **a Good Truss for Bathing,** at a **reasonable price,** and very suitable for those working at **Dirty** and Hot employments as **Gasworks, Furnaces,** &c., &c.

SUSPENSORY BANDAGE

THE HERCULES (Registered).

The Purse and Band of this is Woven to shape in **one piece of soft Silk Thread** or **Wool,** with Indiarubber Threads; from its **Shape** perfect support is obtained, and is suitable for **Cyclists, Horsemen,** &c.

DIAPER BANDAGE.

Woven in pieces of Six Yards from end to end, this is a **perfect Bandage, Elastic, Durable, Smooth,** and can be repeatedly **Washed.**

ELASTIC BOOTS AND SHOES

(PATENT).

The Uppers of these are made entirely of **Elastic Material,** and are suitable for **Cyclists, Lawn-tennis, Weak Ankles, Tender Feet** with **Corns, Bunions,** &c.

MAGNETIC BELTS.

Made on a New System, by which **Electricity** can be applied to any part of the Body from **Portable Batteries.**

J. H. HAYWOOD

Surgical, Electrical, Athletic, and Veterinary Appliance Manufacturer,

CASTLE GATE, NOTTINGHAM.

London Office:—28 Falcon Square.

VINCENT WOOD,

THE LARGEST MANUFACTURER OF **Surgical Appliances in the World.**

All Goods produced in my own Works from the raw materials to the finished Article, thus saving all intermedi profits and keeping up a high standard of quality and finish not procurable from any house of a similar nature.

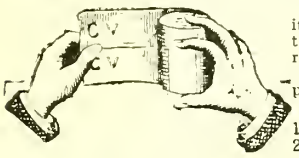
Goods produced to suit every Customer and Climate, as, having personally visited the Colonies and United Stat I am in a position to produce what is required.

All Articles Produced by Skilled English Labour.

LATEST SPECIALITIES—

THE "EUREKA" CREPE "VELPEAU" RUBBERLESS POROUS BANDAGE,

which must eventually supersede every other Bandage in the near future.



It is porous, and when washed retains its elasticity, and, as there is nothing to perish in it, it can be resumed as required from time to time.

In Bandages, in two qualities, price per dozen—

	2	2½	3	8	11
1st Quality,	12/-	15/-	18/-	36/	54/-
2nd "	9/-	12/-	15/-		

THE "EUREKA" HERNO TRUSS

(*Registered*).

The Pad is composed of a Patented Elastic Composition, and is not affected by any temperature, and, although having all the combined properties of an Air, Water or Glycerine Pad, the extra cost over the ordinary hard Cork Pad Trusses, that cause untold suffering, is so small that it places it within the reach of all.

Another great inducement is that it does not require to be replaced, as the Water or similar Pads do.

Price from 18/6 per dozen, single.

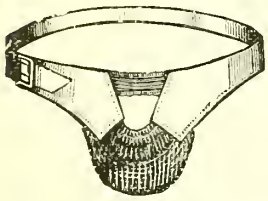
EVERY DESCRIPTION OF SURGICAL ELASTIC HOSIERY—

Trusses, Ladies' and Gentlemen's Abdominal Belts and Corsets, Children's Ear Caps, Suspensory Bandages, Stockingette, Calico and Elastic Web Bandages, Chest-expanding Braces, Eye Shades, Chest and Lung Protectors, Sanitary Pads, Enemas, Splints, Covered Rubber, Bindings, Wool Lint, and Surgical Appliances generally.

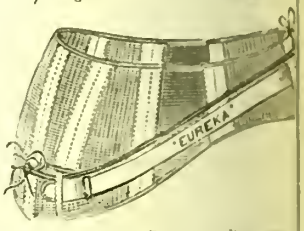
Special orders delivered in a few hours after receipt of order.

To ensure the proper goods being supplied through a Wholesale House please send duplicate order to "Victoria House."

Cable and Telegraphic Addresses—"ACME LONDON."
Telephone No., Hop 542.



EVERY KIND OF SUSPENSORY BANDAGE.



THE COLONIAL BRIGSTON BELT FOR TROPICAL CLIMATES.

ESTABLISHED 62 YEARS. **SEND FOR PRICE LIST.**

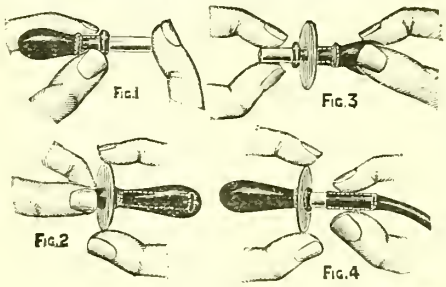
HEAD OFFICE—
Victoria House, 4 Albion Place, Blackfriars, LONDON, S.E.

STEAM MILLS .. GRANT STREET, NOTTINGHAM.
Factories .. .. .. Main Street, Carlton, near Nottingha
" .. .. .. Worth Street " "

Statuettes, Electros, Show Cards, and Retail Priced Catalogues supplied on Loan Free of Charge with Stock Orders.

PATENT HOLDFAST SOOTHERS AND FEEDING BOTTLE UNIONS.

Well moisten Union and push into Teat, as shown in Fig. 1.
Pull Teat through hole in Shield, Fig. 2.



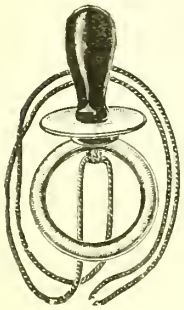
Pull Teat up to shoulder, Fig. 3.
To detach pull off tubing, as Fig. 4, and push back Union into Teat.

ADVANTAGES.

Absolute fixture of Teat and Shield, therefore impossible to get out of place by accident.

Complete Bone and Rubber Rings. Attractive get up, with Whistles, Bells, &c

A SET OF SAMPLES, containing 1d., 2d., 3d., 4d., 6d., and 1s. lines, Post free for 2s. Send Postal Order.



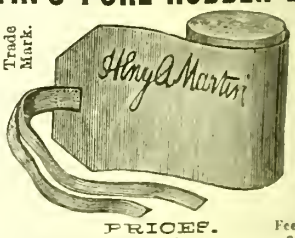
Patentee and Manufacturer—

A. S. CARTWRIGHT,
75 Ford Street, Hockley, Birmingham.
Wholesale and Shippers only.

DR. MARTIN'S PURE RUBBER BANDAGE

For Varicose Veins, Ulcers, Eczema of the Leg, Swollen and Weak Joints.

Trade Mark.



CAUTION.—Pl order *Genuin Martin's Band* each being stamped with Martin's sign ture. All oth are *Spurio Imitations*

Complete Price Trade Discount Dr. Martin Pamphlet post f

PRICES.

No.		Feet	Inches	Fe
3A.	Thin, for ankle, elbow, wrist, and forearm ..	6	2½	3
3.	Thick " " " " ..	6	2½	4
1B.	Thin, for leg below knee.. " " " ..	10½	3	5
1A.	Thick " "	10½	3	7
8.	Thin, for leg and knee	14	3	7
7.	Thick " "	14	3	9
9B.	Thin, for leg and thigh	21	3	10
9A.	Thick " "	21	3	13

Sole Agents—**KROHNE & SESEMANN,** SURGICAL INSTRUMENT MAK
8 DUKE STREET, MANCHESTER SQUARE, LONDON.

DISPENSING BOTTLES

THE NORTH LONDON GLASS BOTTLE COMPA
(I. ISAACS & CO., Proprietors)

Beg to inform the Trade that they have made a further reduc in the price of their Bottles, as follows:—

The NEW SHAPE FLAT BOTTLES, with rounded edges, p or graduated—

3 & 4 oz. ..	7/6 per gross.	10 & 12 oz. ..	12/- per gr
6 " 8 " ..	8/6 "	16 " ..	16/- "

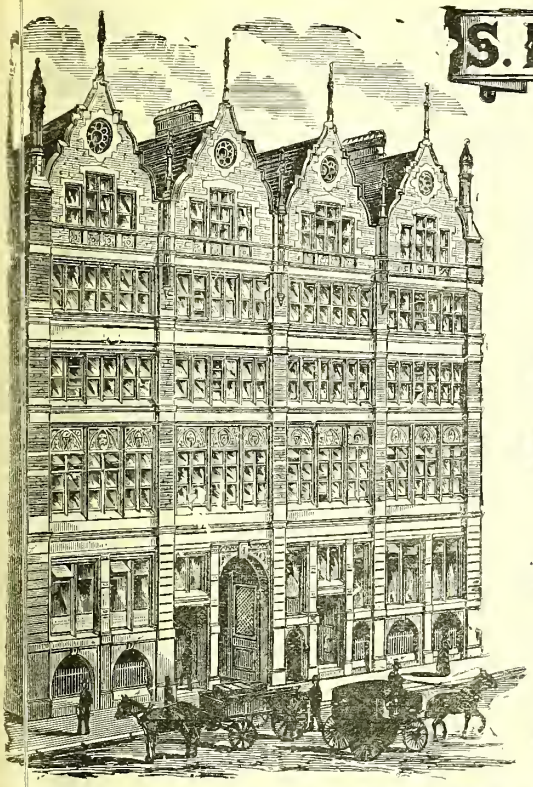
WHITE MOULDED PHIALS, plain or graduated Teaspoon

½ oz... ..	3/6 per gross.	1½ oz.	4/6 per gr
1 "	3/9 "	2 "	5/- "

PLEASE NOTE.

Six gross and upwards, assorted or otherwise, are carriage p to any address in England; smaller quantities not carriage p

I. ISAACS & CO., Glass Bottle Manufacture
106 MIDLAND ROAD ST. PANCRAS, LONDON.
Established 50 years. *Bankers—London and Westminster Ba*



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CONTAINING NEARLY

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OF

SURGEONS' INSTRUMENTS

AND

DRUGGISTS' SUNDRIES

OF ALL KINDS

MAY BE HAD ON APPLICATION ENCLOSING BUSINESS CARD

Forwarded Post Free to all parts of the World.

S. MAW, SON & THOMPSON

7 to 12 ALDERSGATE STREET, LONDON, E.C.

CORRESPONDENCE INVITED.

ABSORBENT LINT

(Of Improved Qualities)

SAMPLES SENT POST FREE ON APPLICATION.

REDUCED PRICES.

	Per lb.		Not less than 112 lbs. each or assorted, per lb.	
Maw's No. 11 Lint	1/2	5 per cent. Monthly a/c.	1/-	5 per cent. Monthly a/c.
Maw's No. 1 Hospital	1/2		1/-	
Maw's No. 2 Hospital	1/4		1/2	
Maw's Superior Hospital	1/6		1/4	
Maw's Superior Surgeons'	1/8		1/6	
TAYLOR'S Super A1 Flax *Improved, Absorbent*	3/-		2/6	
Ditto, in 1-oz. packages	3/6		3/-	

S. MAW, SON & THOMPSON,

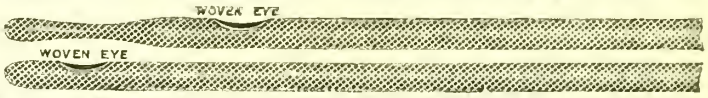
7 to 12 ALDERSGATE ST., LONDON, ENGLAND.

ESCHMANN BROS. & WALSH.

Inventors and Manufacturers of the

SOFT SILK FLEXIBLE CATHETER, GUARANTEED WITH WOVEN EYES

To be had of all Surgical Instrument Makers and Wholesale Houses.



To be had of all Surgical Instrument Makers and Wholesale Houses

WOODRUFF'S CELLULOID SPRAY APPARATUS

FOR THE NOSE AND THROAT.

PATENTED IN ENGLAND AND ABROAD.

WRITE FOR PARTICULARS TO **T. WOODRUFF, Ph.C., WITHINGTON, MANCHESTER**

LISTER'S ANTISEPTIC DRESSINGS

(ISDAMA BRAND).

See that the Red Cross is on every package.

TRADE ISDAM MARK.

Be sure to specify **MILNE'S LISTER'S.**

Prepared according to Lord Lister's personal instructions

MILNE'S ABSORBENT WOOL, LINT, TISSUE, BANDAGES.

LISTER'S DOUBLE CYANIDE GAUZE.

MILNE'S JACONET BED-SHEETINGS, OILED SILK.

PLEASE APPLY FOR JOHN MILNE'S ILLUSTRATED CATALOGUE.

THE CALEN MANUFACTURING CO., LTD., Antiseptic Dressings Factory, **LADYWELL, S.E.**

THE SUSPENSORY BANDAGE

TO RECOMMEND IS

The "SYRACUSE,"

With SELF-ADJUSTING LOOP at back of Pouch.

(PATENTED IN ENGLAND.)

HAS THE

LARGEST SALE

OF ANY

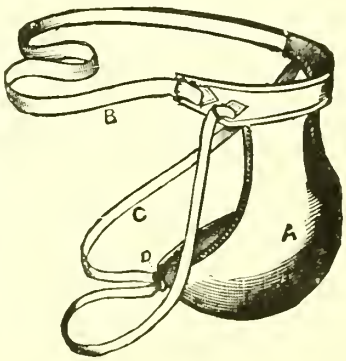
SUSPENSORY BANDAGE

IN THE STATES.

3 Sizes, Large, Medium, & Small.

Made in Seven Qualities, to suit all Markets.

Each Bandage is boxed separately with Printed Guarantee.



Each Bandage bears Guarantee to give satisfaction to Wearer, or money returned at our expense.

COTTON POUCHES.

Nos.	10	16	21
	6/6	12/-	18/- per doz.

SILK POUCHES.

Nos.	26	31	34	36
	24/-	30/-	48/-	72/- per doz.

We call attention to the fact that our Bandages are advertised in all the leading Athletic papers, and are largely used by Athletes of all kinds. We would strongly recommend all Chemists who require a first-rate Bandage, and who wish to give satisfaction to their Customers, to hold stock, which will enable them to supply our Bandages when asked for.

May be obtained from all leading Druggists' Sundries Houses throughout the Country, or from the

WELLS MANUFACTURING CO. (H. C. Quelch), **LUDGATE SQUARE, LONDON, E.C.**

SURGICAL DRESSINGS

ABSORBENT COTTON LINTS, FLAX LINTS, ROLL BANDAGES, COTTON WOOLS, GAUZE,

MANUFACTURED BY

ROBINSON & SONS, Ltd.,

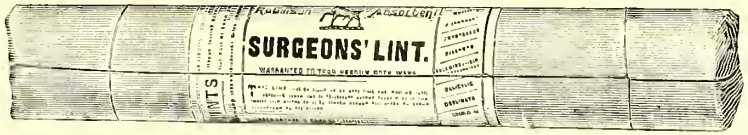
Cotton Spinners, Weavers, and Bleachers,

Wheat Bridge Mills, CHESTERFIELD, & 55 Fann St., Aldersgate St., LONDON, E.C.

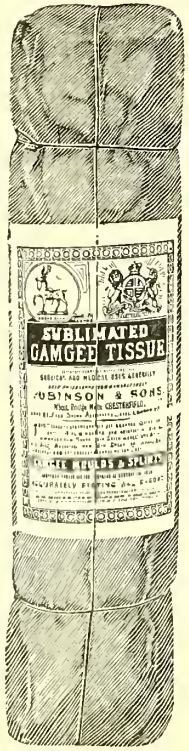
TRADE MARK REGISTERED.

ESTABLISHED 1839.

"GAMGEE TISSUE."



We are the only Surgical Dressing Manufacturers in the World who Spin, Weave, Bleach, and Manufacture from the Raw Cotton.



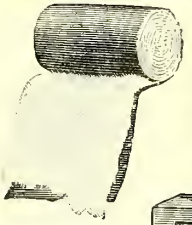
ROBINSON'S DRESSING (PATENT),

And all kinds of

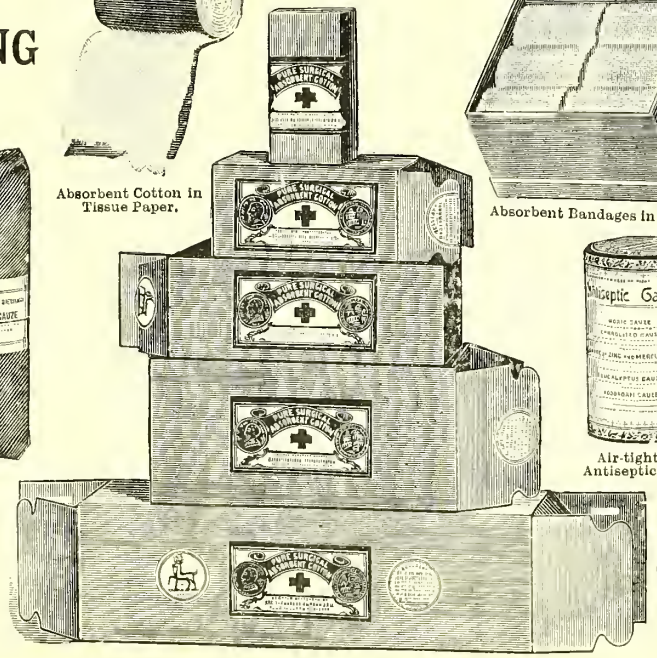
ANTISEPTIC DRESSINGS.

SANITARY TOWELS for Ladies.

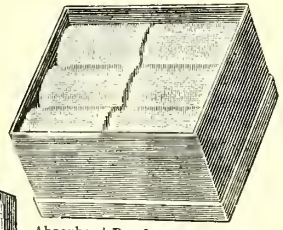
Speciality: MENE TOWELS.



Absorbent Cotton in Tissue Paper.



Absorbent Cotton in Cartons.



Absorbent Bandages in Cartons.

Air-tight Case Antiseptic Gauze.

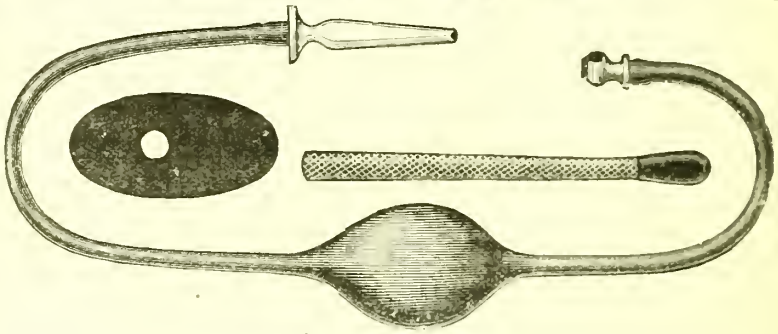
Prices and Free Samples on Application.

ASK FOR ROBINSON'S "STAG" BRAND WHEN ORDERING FROM THE WHOLESALE HOUSES.

THE 'EMPIRE' ENEMA.

REDUCTION IN PRICE.

16/- NET. PER DOZ. UNPOLISHED.



17/- NET. PER DOZ. POLISHED.

☞ Owing to special arrangements we are now able to take off the advance of 10 , which we have been charging on this Enema.

This is a FULL-SIZED Enema, made of Vulcanized Rubber, and has two important qualities never before combined, except in high-priced Enemas, viz. :

IT WILL NOT GET STICKY in hot weather, and IT WILL NOT GET HARD in cold weather.

WE GUARANTEE THEM FOR TWO YEARS.

We also supply Druggists' Sundries in great variety, Stockings, Hot-water Bottles, Combs, Sponge Bags, Syringes, Catheters, Trusses, Elastic and Waterproof Goods of all kinds.

Owing to the continued advance in the price of Raw Rubber we are compelled to add the advance of 10%, to our prices for all Rubber Goods, except the 'Empire' Enema. This advance will be taken off directly the state of the Rubber Market will permit.

OUR GOODS ARE RIGHT AND PRICES LOW

WRITE FOR ILLUSTRATED CATALOGUE—POST FREE.

BURGE, WARREN & RIDGLEY, 91 & 92 Great Saffron Hill, LONDON, E.C.

REGISTERED TRADE MARK

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REGISTERED TRADE MARK

SOLUBLE TABLETS

PREVIOUSLY ADVERTISED AS

LAMBERT'S SOLUBLE QUININE TABLETS.

PERFECTLY PREPARED.

ABSOLUTELY RELIABLE.

SALE UPWARDS OF 8,000,000.

These Tablets are manufactured by us of the best materials procurable. We guarantee every one to be of accurate proportions, and can with confidence recommend them to the trade as one of the best ever introduced.

They are packed in specially neat metal boxes of 1 doz., and sealed with our Registered Label, without which they are not genuine.

Our method of packing particularly adapts them for exportation. Being practically air-tight they will keep in perfect condition for a long period, and liability to injury by variation of climate is reduced to a minimum.

Advertised to retail at 2/- per box of 1 dozen. 5/- for three boxes. 9/6 for six boxes. 17/- for 12 boxes.

Trade Price.

12/6 net per dozen boxes of 1 dozen each.
Single boxes 1/3, including postage.
Orders of ½ doz. boxes and upwards sent post free.
Can be obtained through any wholesale house.

PERFECTLY PREPARED.

TRADE PRICES MODERATE.

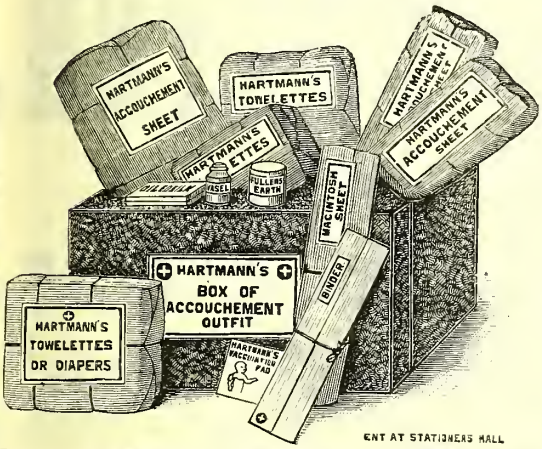
SALE UPWARDS OF 8,000 000.

A. LAMBERT & CO., 16 DALSTON LANE, LONDON, N.E.

IMPROVED OBSTETRIC REQUIREMENTS.

RISK OF PUERPERAL SEPTICÆMIA

IS REDUCED TO A MINIMUM BY USING



HARTMANN'S

COMPLETE

GUINEA OUTFIT FOR ACCOUCHEMENT.

It contains 3 different sizes of Hartmann's Absorbent Wood Wool Sheets, 4 dozen Hartmann's Hygienic Towelettes, Binder, Safety Pins, Antiseptic Ointment, Thread Umbilical Pad, Fullers' Earth, Oiled Silk, Macintosh Sheeting, &c.

It affords great cleanliness and comfort to the patient, and diminishes the risk of puerperal fever.

Too much attention cannot be given in selecting the best articles for use during confinement, and in the interest of their patients we ask physicians and nurses to recommend Hartmann's Complete Guinea Accouchement Outfit.

A Smaller Outfit is also put up, price 10s. 6d.

Price List to Chemists on Application.

HARTMANN'S

From 6d. to 2s. per dozen.

HYGIENIC WOOD WOOL TOWELETTES.

PUT UP IN THE FOLLOWING SIZES:—

In YELLOW Paper, 2/- per dozen size (special make for use after Accouchement).
In GOLD Paper, 2/- per dozen size.
In BLUE Paper, 1/4 per dozen size (new make).
In WHITE Paper, 1/- per dozen size.
In BROWN Paper, 6d. per dozen size (our new Halfpenny Towelette).

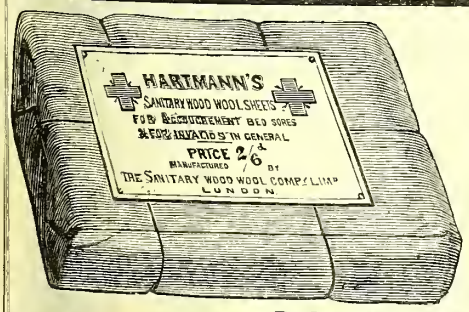
Superior to any other make.

For Home Use, Delicate Health, for Ladies' Travelling and Accouchement, they are Invaluable and Indispensable. They are Soft, Light, Antiseptic, and are Supplied at the Actual Cost of Washing. After Use they are Simply Burnt.

Price List to Chemists on Application.

ACCOUCHEURS WILL FIND IT A GREAT COMFORT TO THEIR PATIENTS BY USING

HARTMANN'S SANITARY WOOD WOOL SHEETS



For Accouchement, Bedsores, Operations, &c.

PERFECTLY ANTISEPTIC, CLEAN AND COMFORTABLE.

The most comfortable Appliance for Accouchement ever made.
"Risk of Puerperal Fever Diminished."
A Great Boon for Patient, Nurse, and Physician in attendance.

Used in the Principal Lying-in Hospitals of London, Manchester, Edinburgh, Glasgow, &c.

These Sheets are made of Hartmann's Patent Wood Wool Wadding, the most absorbent substance ever known. They are most comfortable and healthy, are perfectly antiseptic, have not the disagreeable smell so common to indiarubber sheets, and are much cheaper. In Accouchement a large sheet is laid under the patient, it absorbs the discharge completely, and is simply burnt after use. No soiled clothes; risk of puerperal fever greatly lessened: and perfect comfort and cleanliness.

Prices of the Three Sizes ... ... 1/-, 1/6, and 2/6.

Sizes—24 by 18 in., 26 by 20 in., 32 by 32 in.

Price List to Chemists on Application.

THE SANITARY WOOD WOOL CO., LTD.,

26 THAVIES INN, HOLBORN CIRCUS, LONDON, E.C. *Telegraphic Address*—"Ligature London."

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REGISTERED **"THE LEICESTER"** TRADE MARK.

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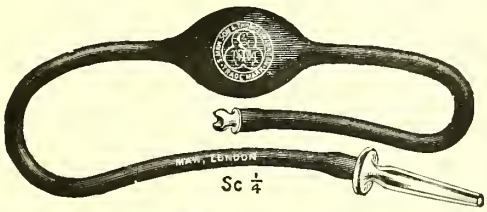

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		Percentage	In Paper Parcels		In Boxes		In Sealed Tins	
			s.	d.	s.	d.	s.	d.
AUZES (36 in. wide)—Boric ...	per dozen yards	25	1	9	2	0	2	3
Carbolized, unbleached	,, ,,	5	1	8	1	11	2	2
Iodoform	,, ,,	10	4	0	4	3	4	6
Iodoform	,, ,,	5	4	0	4	3	4	6
Lister's Cyanide of Mercury and Zinc	,, ,,	3	3	2	3	5	3	8
Sal Alembroth	,, ,,	1	1	9	2	0	2	3
Salicylic	,, ,,	4	2	4	2	7	2	10
Sublimate, Unbleached	,, ,,	¼	1	6	1	9	2	0
INTS—Boric...	per lb.	45	1	6	1	9	2	0
Carbolized	,,	5	2	0	2	3	2	6
Cyanide of Mercury and Zinc	,,	3	3	4	3	7	3	10
Iodoform	,,	10	5	0	5	3	5	6
Sal Alembroth	,,	2	2	1	2	4	2	7
Salicylic	,,	4	2	4	2	7	2	10
Sublimate	,,	¼	2	0	2	3	2	6
OOLS—Boric	,,	45	1	4	1	7	1	10
Carbolized	,,	5	1	6	1	9	2	0
Cyanide of Mercury and Zinc	,,	3	2	8	2	11	3	2
Iodoform	,,	10	4	6	4	9	5	0
Sal Alembroth	,,	2	1	6	1	9	2	0
Salicylic	,,	4	1	9	2	0	2	3
Sublimate	,,	¼	1	4	1	7	1	10

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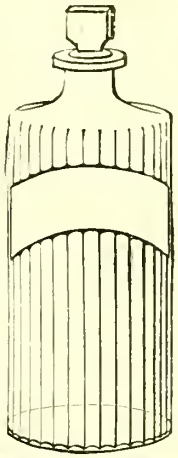
TOOGOOD'S WHITE GLASS
POISON SHOP ROUNDS
(Conforming to the Poison Regulations).

Extract from Regulations—

b. Poisons to be kept in a bottle or vessel, ***distinguishable by touch*** from the bottle or vessel in which ordinary articles are kept in the same warehouse, shop, or dispensary.



SIZES:—

	8	16	20	32	40	48 oz.
Height to Shoulder	4	5	5¼	6¼	7	7¾ in.
Height to top of Stopper	5¾	7⅛	7¾	9	10¼	10¾ in.
N.M.	8/-	11/-	12/-	15/-	16/-	18/- doz.
W.M.	9/-	12/-	13/-	16/-	17/-	19/- „

LABELLING IN GOLD, 3/6 doz.

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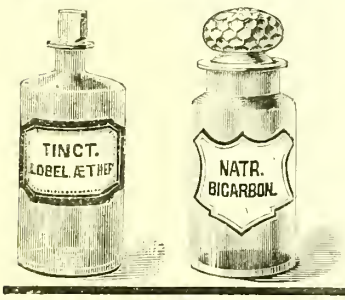
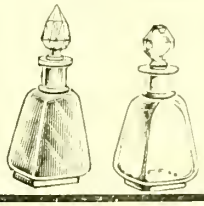
Shop Bottles and Jars, with vitrified labels, Show Bottles, Perfume Bottles, Photo Bottles, &c.

Price List on application.





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CHEMISTS' AND PERFUMERS' BOTTLES IN GREAT VARIETY, PLAIN OR STOPPERED.

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ROUND SHAPE, FLUTED, WITH PLAIN SPACE FOR LABEL, NARROW MOUTH.

Made in conformity with the views of the leading Wholesale Druggists to meet the requirements of the New Poisons Regulations.—"A bottle or vessel rendered distinguishable by touch from the bottles or vessels in which ordinary articles are kept in the same warehouse, shop, or dispensary."

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Buyers are invited to apply for Samples and Prices of this, the best Bottle on the Market for the above purpose.

Made in Light Blue and Dark Blue.

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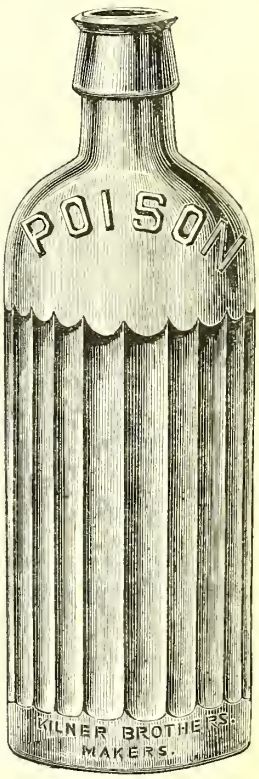
"WE thought it a difficult matter to get something new in poison-bottles, and probably it is, but Messrs. Kilner Brothers, King's Cross, N., have hit upon something so novel, and yet so familiar, as to suggest that success lies in simplicity. They have produced a blue fluted bottle in which the fluting is concave, not convex as hitherto, the result being greater distinction to touch. Another new departure in the bottle is that it is fluted all round except on the upper half of the front where the label should be."



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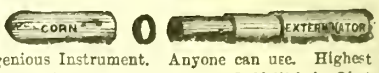

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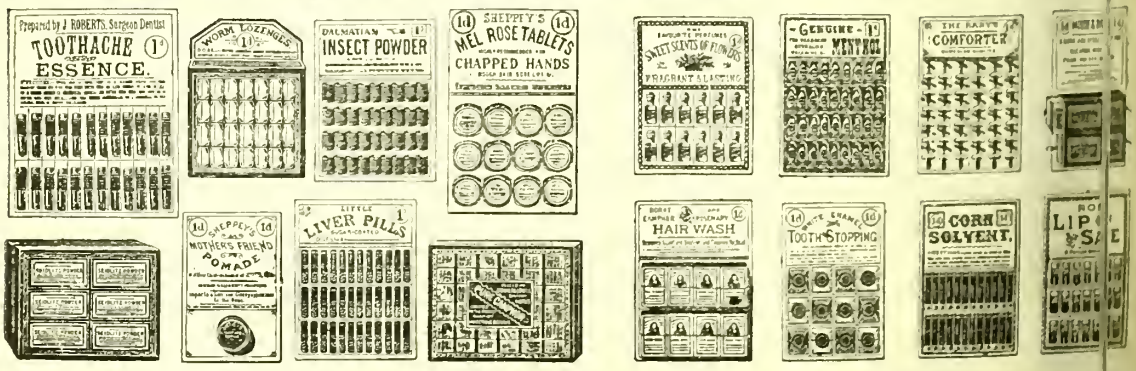

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Takes 6 ¼-plates. Retail 6/6. Per doz., 54/-.

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2 doz. 2d. on Card .. Per gross 15/- } Assorted
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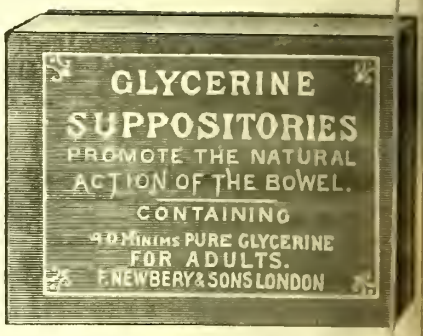

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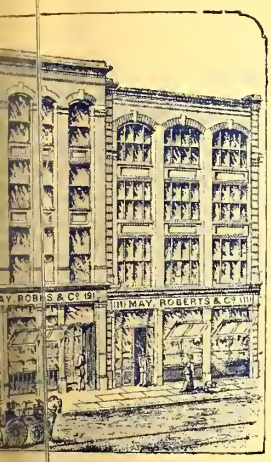

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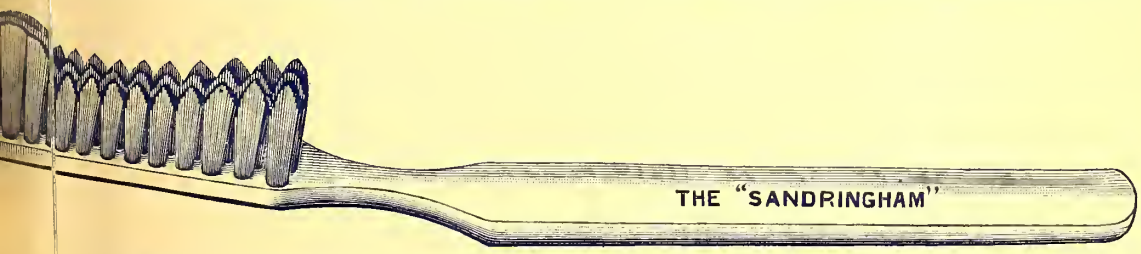
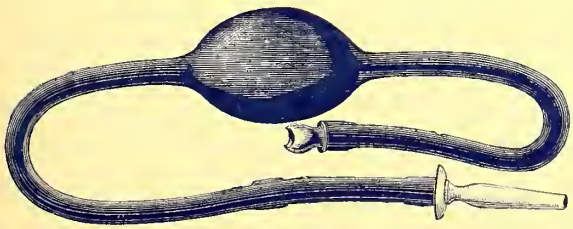
GOODS PACKED IN FREE PACKAGES.

OMMON-SENSE SHAPE—PROPHYLACTIC.



TOOTH BRUSH, Best Quality, 3-row 2/9, 4-row 3/9 per doz.

SEAMLESS ENEMAS.



mless, Best Polished, Black, Green, or Red, fitted with Bone Rectum-pipe, Elastic Gum Vagina-pipe, and Leather Shield, each in Oval Card Case.

Per Dozen **22/-**

SUBJECT TO USUAL TERMS AND CONDITIONS.

MAY, ROBERTS & CO.

9 and 11 CLERKENWELL ROAD, **LONDON.**

Cadbury's Cocoa

ABSOLUTELY PURE, therefore BEST.

Cadbury's is "The Typical Cocoa of English Manufacture, Absolutely Pure."—*The Analyst.*

NO CHEMICALS USED IN CADBURY'S AS IN THE SO-CALLED PURE FOREIGN COCOAS.

UNDER EMINENT SCIENTIFIC SUPERVISON

"APENTA"

THE BEST NATURAL APERIENT WATER.

Trade Prices:

Per Case.

25 Large Bottles	-	20/-
50 Small ,,	-	32/6
100 Quarter ,,	-	32/6

Carriage paid to any Railway Station the United Kingdom.

5 per cent. Discount upon orders for 10 Cases

TERMS :—Six Months' Credit from date of Invoice, Net Cash.

The retail prices printed on the labels are 1/- per large bottle, 1/- per small bottle, and 6d. per quarter bottle.

THE APOLLINARIS COMPANY, LTD.

4 Stratford Place, Oxford Street, London, W.

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